

## GFP Tag Antibody, ABfinity™ Rabbit Monoclonal

Catalog Number **G10362**

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Tag
Host/Isotope	Rabbit / IgG	Published species	Tag, Yeast, Rat, C. elegans, Fruit fly, Non-human primate, Cat, Zebrafish, Human, Mouse, Not Applicable
Class	Monoclonal	<b>Tested Applications</b>	
Type	Antibody	ELISA (ELISA)	Dilution * Assay Dependent
Immunogen	Full-length GFP	Flow Cytometry (Flow)	Assay Dependent
Conjugate	Unconjugated	Immunohistochemistry (IHC)	1:20-1:200
Form	Lyophilized	Immunoprecipitation (IP)	Assay Dependent
Concentration	0.2 mg/mL	Western Blot (WB)	1:20-1:200
Purification	Protein A	<b>Published Applications</b>	
Contains	0.09% sodium azide	Immunofluorescence (IF)	See 9 publications below
Storage Conditions	-20° C, store in dark	Immunohistochemistry (Frozen) (IHC (F))	See 2 publications below
		Immunohistochemistry (IHC)	See 13 publications below
		Western Blot (WB)	See 8 publications below
		Immunohistochemistry (Paraffin) (IHC (P))	See 2 publications below
		Immunoprecipitation (IP)	See 4 publications below
		Immunocytochemistry (ICC)	See 5 publications below
		Immunohistochemistry - Free Floating (IHC (Free))	See 2 publications below
		Miscellaneous PubMed (MISC)	See 1 publications below

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

### Product specific information

ABfinity™ recombinant antibodies are rabbit monoclonal antibodies, unmatched for producing superior results. ABfinity™ antibodies are developed by immunizing animals, screening for functionality, cloning the immunogen-specific antibody genes into high-level mammalian expression vectors, produced on a large scale, and purified with Protein A. ABfinity™ monoclonal antibodies resemble rabbit monoclonals isolated from serum or produced by hybridomas, but demonstrate greater specificity and sensitivity. Because ABfinity™ recombinant antibodies are derived from cloned DNA sequences of the heavy and light antibody chains, they are not susceptible to cell-line drift or lot-to-lot variation, thus allowing for peak specificity and performance. Storage and reconstitution: to prepare a 0.2 mg/mL stock solution, reconstitute the lyophilized antibody in 0.5 mL PBS, pH 7.4. Reconstituted product can be stored for up to 3 months at 4°C with the addition of 2mM sodium azide.

### Background/Target Information

The jellyfish *Aequorea victoria* contains green fluorescent protein (GFP) that emits light in the bioluminescence reaction of the animal. GFP has been used widely as a reporter protein for gene expression in eukaryotic and prokaryotic organisms, and as a protein tag in cell culture and in multicellular organisms. As a fusion tag, GFP can be used to localize proteins, to study their movement or to research the dynamics of the subcellular compartments where these proteins are targeted. GFP technology has revealed considerable new insights in the physiological activities of living cells. GFP is a 27 kDa monomeric protein, which autocatalytically forms a fluorescent pigment. The wild type protein absorbs blue light (maximally at 395nm) and emits green light (peak

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emission 508nm) in the absence of additional proteins, substrates, or co-factors. GFP fluorescence is stable, species independent and is suitable for a variety of applications. GFP has been used extensively as a fluorescent tag to monitor gene expression and protein localization. Moreover, other applications for GFP include its use in assessing protein protein interactions in the yeast two hybrid system, and in measuring distances between proteins in fluorescence energy transfer (FRET) experiments.

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## PubMed References For GFP Tag Antibody, ABfinity™ Rabbit Monoclonal

### 9 Immunofluorescence References

Species / Dilution	Summary
	G10362 was used in immunohistochemistry to investigate compounds that modulate hair cell regeneration in zebrafish.
Zebrafish / Not Cited	The Journal of neuroscience : the official journal of the Society for Neuroscience (Mar 2012; 32: 3516) <b>"Identification of modulators of hair cell regeneration in the zebrafish lateral line."</b> Author(s):Namdaran P,Reinhart KE,Owens KN,Raible DW,Rubel EW PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3905-11.2012">http://dx.doi.org/10.1523/JNEUROSCI.3905-11.2012</a>
Fruit fly / Not Cited	G10362 was used in immunohistochemistry to determine Pvf2 and Pvf3 functions in vivo using fruit flies. The Journal of biological chemistry (Jul 2013; 288: 20173) <b>"The Drosophila platelet-derived growth factor and vascular endothelial growth factor-receptor related (Pvr) protein ligands Pvf2 and Pvf3 control hemocyte viability and invasive migration."</b> Author(s):Parsons B,Foley E PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M113.483818">http://dx.doi.org/10.1074/jbc.M113.483818</a>
Mouse / Not Cited	Development (Cambridge, England) (Sep 2011; 138: 3639) <b>"An absolute requirement for Pax7-positive satellite cells in acute injury-induced skeletal muscle regeneration."</b> Author(s):Lepper C,Partridge TA,Fan CM PubMed Article URL: <a href="http://dx.doi.org/10.1242/dev.067595">http://dx.doi.org/10.1242/dev.067595</a>
Rat / 1:100	Molecular therapy : the journal of the American Society of Gene Therapy (Dec 2009; 17: 2096) <b>"Inner limiting membrane barriers to AAV-mediated retinal transduction from the vitreous."</b> Author(s):Dalkara D,Kolstad KD,Caporale N,Visel M,Klimczak RR,Schaffer DV,Flannery JG PubMed Article URL: <a href="http://dx.doi.org/10.1038/mt.2009.181">http://dx.doi.org/10.1038/mt.2009.181</a>
Mouse / Not Cited	The journal of gene medicine (Nov 2012; 14: 632) <b>"Reduction of choroidal neovascularization in mice by adeno-associated virus-delivered anti-vascular endothelial growth factor short hairpin RNA."</b> Author(s):Askou AL,Pournaras JA,Pihlmann M,Svalgaard JD,Arsenijevic Y,Kostic C,Bek T,Dagnaes-Hansen F,Mikkelsen JG,Jensen TG,Corydon TJ PubMed Article URL: <a href="http://dx.doi.org/10.1002/jgm.2678">http://dx.doi.org/10.1002/jgm.2678</a>
C. elegans / Not Cited	Nature neuroscience (Nov 2011; 15: 48) <b>"UNC-33 (CRMP) and ankyrin organize microtubules and localize kinesin to polarize axon-dendrite sorting."</b> Author(s):Maniar TA,Kaplan M,Wang GJ,Shen K,Wei L,Shaw JE,Koushika SP,Bargmann CI PubMed Article URL: <a href="http://dx.doi.org/10.1038/nn.2970">http://dx.doi.org/10.1038/nn.2970</a>
Rat / Not Cited	Biology of reproduction (Jan 2013; 88: null) <b>"Plasminogen activator inhibitor 1 RNA-binding protein interacts with progesterone receptor membrane component 1 to regulate progesterone's ability to maintain the viability of spontaneously immortalized granulosa cells and rat granulosa cells."</b> Author(s):Peluso JJ,Yuan A,Liu X,Lodde V PubMed Article URL: <a href="http://dx.doi.org/10.1095/biolreprod.112.103036">http://dx.doi.org/10.1095/biolreprod.112.103036</a>
	G10362 was used in immunohistochemistry to investigate liver progenitor cell activation.
Mouse / Not Cited	Genes and development (Jan 2013; 27: 169) <b>"FGF7 is a functional niche signal required for stimulation of adult liver progenitor cells that support liver regeneration."</b> Author(s):Takase HM,Itoh T,Ino S,Wang T,Koji T,Akira S,Takikawa Y,Miyajima A PubMed Article URL: <a href="http://dx.doi.org/10.1101/gad.204776.112">http://dx.doi.org/10.1101/gad.204776.112</a>
Yeast / Not Cited	PLoS one (Dec 2012; 7: null) <b>"Systematic single-cell analysis of Pichia pastoris reveals secretory capacity limits productivity."</b> Author(s):Love KR,Politano TJ,Panagiotou V,Jiang B,Stadheim TA,Love JC PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0037915">http://dx.doi.org/10.1371/journal.pone.0037915</a>

### 2 Immunohistochemistry (Frozen) References

Species / Dilution	Summary
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G10362 was used in immunohistochemistry - frozen section to characterize the expression of chondroitinase ABC delivery by an adenovirus vector to the central nervous system

Not Applicable / 1:400

Journal of neuroscience methods (Apr 2014; 227: 107)

**"AAV vector-mediated secretion of chondroitinase provides a sensitive tracer for axonal arborisations."**

Author(s):Alves JN,Muir EM,Andrews MR,Ward A,Michelmores N,Dasgupta D,Verhaagen J,Moloney EB,Keynes RJ,Fawcett JW,Rogers JH

PubMed Article URL:<http://dx.doi.org/10.1016/j.jneumeth.2014.02.010>

G10362 was used in immunohistochemistry - frozen section to develop a gene-fusion strategy for the stable 1:1 expression of any two microbial rhodopsins in a single polypeptide chain

Not Applicable / 1:200

Nature methods (Nov 2011; 8: 1083)

**"A gene-fusion strategy for stoichiometric and co-localized expression of light-gated membrane proteins."**

Author(s):Kleinlogel S,Terpitz U,Legrum B,Göckbuget D,Boyden ES,Bamann C,Wood PG,Bamberg E

PubMed Article URL:<http://dx.doi.org/10.1038/nmeth.1766>

### 13 Immunohistochemistry References

Species / Dilution

Summary

G10362 was used in immunohistochemistry to determine Pvf2 and Pvf3 functions in vivo using fruit flies.

Not Applicable / 1:1000

The Journal of biological chemistry (Jul 2013; 288: 20173)

**"The Drosophila platelet-derived growth factor and vascular endothelial growth factor-receptor related (Pvr) protein ligands Pvf2 and Pvf3 control hemocyte viability and invasive migration."**

Author(s):Parsons B,Foley E

PubMed Article URL:<http://dx.doi.org/10.1074/jbc.M113.483818>

Mouse / Not Cited

The Journal of neuroscience : the official journal of the Society for Neuroscience (Jan 2010; 30: 13)

**"CoIQ controls postsynaptic differentiation at the neuromuscular junction."**

Author(s):Sigoillot SM,Bourgeois F,Lambergeon M,Strochlic L,Legay C

PubMed Article URL:<http://dx.doi.org/10.1523/JNEUROSCI.4374-09.2010>

Non-human primate / Not Cited

Mouse / Not Cited

The Journal of neuroscience : the official journal of the Society for Neuroscience (May 2013; 33: 8336)

**"The Munc13 proteins differentially regulate readily releasable pool dynamics and calcium-dependent recovery at a central synapse."**

Author(s):Chen Z,Cooper B,Kalla S,Varoqueaux F,Young SM

PubMed Article URL:<http://dx.doi.org/10.1523/JNEUROSCI.5128-12.2013>

G10362 was used in immunohistochemistry to use an LCA8-like mouse model to find host-mediated responses that reduce survival, retinal integration, and differentiation of grafted cells during neonatal cell therapy

Not Applicable / Not Cited

BMC ophthalmology (Nov 2016; 16: null)

**"Neonatal disease environment limits the efficacy of retinal transplantation in the LCA8 mouse model."**

Author(s):Cho SH,Song JY,Shin J,Kim S

PubMed Article URL:<http://dx.doi.org/10.1186/s12886-016-0368-0>

G10362 was used in immunohistochemistry to generate and characterize an adeno-associated viral chimera

Not Applicable / 1:750

Molecular therapy. Nucleic acids (Jul 2016; 5: null)

**"CNS-restricted Transduction and CRISPR/Cas9-mediated Gene Deletion with an Engineered AAV Vector."**

Author(s):Murlidharan G,Sakamoto K,Rao L,Corriher T,Wang D,Gao G,Sullivan P,Asokan A

PubMed Article URL:<http://dx.doi.org/10.1038/mtna.2016.49>

G10362 was used in immunohistochemistry to assess Cx36 expression in the cochlear nucleus and in various structures of the auditory pathway of rat and mouse.

Not Applicable / 1:2000

Neuroscience (Sep 2015; 303: 604)

**"Connexin36 expression in major centers of the auditory system in the CNS of mouse and rat: Evidence for neurons forming purely electrical synapses and morphologically mixed synapses."**

Author(s):Rubio ME,Nagy JI

PubMed Article URL:<http://dx.doi.org/10.1016/j.neuroscience.2015.07.026>

G10362 was used in immunohistochemistry to investigate liver progenitor cell activation.

Not Applicable / 1:50

Genes and development (Jan 2013; 27: 169)

**"FGF7 is a functional niche signal required for stimulation of adult liver progenitor cells that support liver regeneration."**

Author(s):Takase HM,Itoh T,Ino S,Wang T,Koji T,Akira S,Takikawa Y,Miyajima A

PubMed Article URL:<http://dx.doi.org/10.1101/gad.204776.112>

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	G10362 was used in immunohistochemistry to use Munc13-3(-/-) mice to study the release probability of vesicles
Not Applicable / 1:20	The Journal of neuroscience : the official journal of the Society for Neuroscience (Oct 2014; 34: 14687) <b>"Munc13-3 superprimes synaptic vesicles at granule cell-to-basket cell synapses in the mouse cerebellum."</b> Author(s):Ishiyama S,Schmidt H,Cooper BH,Brose N,Eilers J PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.2060-14.2014">http://dx.doi.org/10.1523/JNEUROSCI.2060-14.2014</a>
	G10362 was used in immunohistochemistry to investigate compounds that modulate hair cell regeneration in zebrafish.
Not Applicable / 1:500	The Journal of neuroscience : the official journal of the Society for Neuroscience (Mar 2012; 32: 3516) <b>"Identification of modulators of hair cell regeneration in the zebrafish lateral line."</b> Author(s):Namdaran P,Reinhart KE,Owens KN,Raible DW,Rubel EW PubMed Article URL: <a href="http://dx.doi.org/10.1523/JNEUROSCI.3905-11.2012">http://dx.doi.org/10.1523/JNEUROSCI.3905-11.2012</a>
	G10362 was used in immunohistochemistry to show that Lgr6 is dispensable for epidermal cell proliferation and wound repair
Not Applicable / 1:300	Experimental dermatology (Feb 2017; 26: 105) <b>"Lgr6 is dispensable for epidermal cell proliferation and wound repair."</b> Author(s):Jiang L,Wang L,Chen CP,Li MQ,Liao XH PubMed Article URL: <a href="http://dx.doi.org/10.1111/exd.13187">http://dx.doi.org/10.1111/exd.13187</a>
	G10362 was used in immunohistochemistry to review methods to detect Wnt/beta-catenin signaling in the skin
Not Applicable / 1:250	Methods in molecular biology (Clifton, N.J.) (Jan 2018; 1481: 127) <b>"Monitoring Wnt-Catenin Signaling in Skin."</b> Author(s):Ku AT,Miao Q,Nguyen H PubMed Article URL: <a href="http://dx.doi.org/10.1007/978-1-4939-6393-5_14">http://dx.doi.org/10.1007/978-1-4939-6393-5_14</a>
	G10362 was used in immunohistochemistry to develop and characterize 'spaghetti monster' fluorescent proteins
Not Applicable / 1:1000	Nature methods (Jun 2015; 12: 568) <b>"High-performance probes for light and electron microscopy."</b> Author(s):Viswanathan S,Williams ME,Bloss EB,Stasevich TJ,Speer CM,Nern A,Pfeiffer BD,Hooks BM,Li WP,English BP, Tian T,Henry GL,Macklin JJ,Patel R,Gerfen CR,Zhuang X,Wang Y,Rubin GM,Looger LL PubMed Article URL: <a href="http://dx.doi.org/10.1038/nmeth.3365">http://dx.doi.org/10.1038/nmeth.3365</a>
	G10362 was used in immunohistochemistry to characterize a mouse model of osteolytic metastatic bone tumors using SPECT /CT and MRI
Not Applicable / 1:80	Bone (Jun 2015; 75: 62) <b>"Bone metastasis imaging with SPECT/CT/MRI: a preclinical toolbox for therapy studies."</b> Author(s):Sanches PG,Peters S,Rossin R,Kaijzel EL,Que I,Löwik CW,Grüll H PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.bone.2015.02.002">http://dx.doi.org/10.1016/j.bone.2015.02.002</a>

## 8 Western Blot References

Species / Dilution	Summary
Fruit fly / Not Cited	Genetics (Apr 2014; 196: 951) <b>"Hexameric GFP and mCherry reporters for the Drosophila GAL4, Q, and LexA transcription systems."</b> Author(s):Shearin HK,Macdonald IS,Spector LP,Stowers RS PubMed Article URL: <a href="http://dx.doi.org/10.1534/genetics.113.161141">http://dx.doi.org/10.1534/genetics.113.161141</a>
Not Applicable / Not Cited	G10362 was used in western blot to investigate puroindoline A and B functionality. Protein expression and purification (Sep 2016; 125: 43) <b>"Production of bioactive wheat puroindoline proteins in Nicotiana benthamiana using a virus-based transient expression system."</b> Author(s):Niknejad A,Webster D,Bhave M PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.pep.2015.09.009">http://dx.doi.org/10.1016/j.pep.2015.09.009</a>
Cat / Not Cited	The Journal of general virology (Feb 2014; 95: 393) <b>"ORF7-encoded accessory protein 7a of feline infectious peritonitis virus as a counteragent against IFN--induced antiviral response."</b> Author(s):Dedeurwaerder A,Olyslaegers DA,Desmarets LM,Roukaerts ID,Theuns S,Nauwynck HJ PubMed Article URL: <a href="http://dx.doi.org/10.1099/vir.0.058743-0">http://dx.doi.org/10.1099/vir.0.058743-0</a>
Mouse / Not Cited	PLoS genetics (Nov 2011; 7: null) <b>"A novel protein LZTFL1 regulates ciliary trafficking of the BBSome and Smoothened."</b> Author(s):Seo S,Zhang Q,Bugge K,Breslow DK,Searby CC,Nachury MV,Sheffield VC PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pgen.1002358">http://dx.doi.org/10.1371/journal.pgen.1002358</a>

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Rat / Not Cited	Journal of virology (Jul 2012; 86: 7235) <b>"The IE180 protein of pseudorabies virus suppresses phosphorylation of translation initiation factor eIF2."</b> Author(s):Van Opdenbosch N, Van den Broeke C, De Regge N, Tabarés E, Favoreel HW PubMed Article URL: <a href="http://dx.doi.org/10.1128/JVI.06929-11">http://dx.doi.org/10.1128/JVI.06929-11</a>
Rat / 1:200	Biology of reproduction (Jan 2013; 88: null) <b>"Plasminogen activator inhibitor 1 RNA-binding protein interacts with progesterone receptor membrane component 1 to regulate progesterone's ability to maintain the viability of spontaneously immortalized granulosa cells and rat granulosa cells."</b> Author(s):Peluso JJ, Yuan A, Liu X, Lodde V PubMed Article URL: <a href="http://dx.doi.org/10.1095/biolreprod.112.103036">http://dx.doi.org/10.1095/biolreprod.112.103036</a>
Mouse / 1:5000	PLoS one (Apr 2012; 6: null) <b>"BID-F1 and BID-F2 domains of Bartonella henselae effector protein BepF trigger together with BepC the formation of invasome structures."</b> Author(s):Truttman MC, Guye P, Dehio C PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0025106">http://dx.doi.org/10.1371/journal.pone.0025106</a>
Human / Not Cited	Nature cell biology (Jun 2011; 13: 819) <b>"RasGRF suppresses Cdc42-mediated tumour cell movement, cytoskeletal dynamics and transformation."</b> Author(s):Calvo F, Sanz-Moreno V, Agudo-Ibáñez L, Wallberg F, Sahai E, Marshall CJ, Crespo P PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb2271">http://dx.doi.org/10.1038/ncb2271</a>

## 2 Immunohistochemistry (Paraffin) References

Species / Dilution	Summary
Not Applicable / 1:1000	G10362 was used in immunohistochemistry - paraffin section to study the treatment of highly invasive glioblastoma due to systemic AAV9-IFN-beta gene delivery
Not Applicable / 1:1000	Neuro-oncology (Nov 2016; 18: 1508) <b>"Systemic AAV9-IFN gene delivery treats highly invasive glioblastoma."</b> Author(s):GuhaSarkar D, Su Q, Gao G, Sena-Esteves M PubMed Article URL: <a href="http://dx.doi.org/10.1093/neuonc/now097">http://dx.doi.org/10.1093/neuonc/now097</a>
Not Applicable / 1:100	G10362 was used in immunohistochemistry - paraffin section to study autophagic responses to sepsis. Journal of visualized experiments : JoVE (Feb 2014; null: null) <b>"Cecal ligation and puncture-induced sepsis as a model to study autophagy in mice."</b> Author(s):Siempos II, Lam HC, Ding Y, Choi ME, Choi AM, Ryter SW PubMed Article URL: <a href="http://dx.doi.org/10.3791/51066">http://dx.doi.org/10.3791/51066</a>

## 4 Immunoprecipitation References

Species / Dilution	Summary
Not Applicable / Not Cited	G10362 was used in immunoprecipitation to study mass spectrometry-based identification of protein-protein interactions in cell signaling pathways through simple and effective affinity purification procedures
Fruit fly / Not Cited	Methods in molecular biology (Clifton, N.J.) (Oct 2016; 1394: 181) <b>"Simple and Effective Affinity Purification Procedures for Mass Spectrometry-Based Identification of Protein-Protein Interactions in Cell Signaling Pathways."</b> Author(s):Kwan JHM, Emili A PubMed Article URL: <a href="http://dx.doi.org/10.1007/978-1-4939-3341-9_13">http://dx.doi.org/10.1007/978-1-4939-3341-9_13</a>
Not Applicable / Not Cited	Nucleic acids research (Oct 2012; 40: 9691) <b>"Cell type-specific genomics of Drosophila neurons."</b> Author(s):Henry GL, Davis FP, Picard S, Eddy SR PubMed Article URL: <a href="http://dx.doi.org/10.1093/nar/gks671">http://dx.doi.org/10.1093/nar/gks671</a>
Not Applicable / Not Cited	G10362 was used in immunoprecipitation to report that ZNF644 is a co-regulator of G9a/H3K9me2-mediated gene silencing during neuronal differentiation
Human / Not Cited	Stem cell reports (Sep 2016; 7: 454) <b>"G9a and ZNF644 Physically Associate to Suppress Progenitor Gene Expression during Neurogenesis."</b> Author(s):Olsen JB, Wong L, Deimling S, Miles A, Guo H, Li Y, Zhang Z, Greenblatt JF, Emili A, Tropepe V PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.stemcr.2016.06.012">http://dx.doi.org/10.1016/j.stemcr.2016.06.012</a>
Human / Not Cited	Nature cell biology (Jun 2011; 13: 819) <b>"RasGRF suppresses Cdc42-mediated tumour cell movement, cytoskeletal dynamics and transformation."</b> Author(s):Calvo F, Sanz-Moreno V, Agudo-Ibáñez L, Wallberg F, Sahai E, Marshall CJ, Crespo P PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncb2271">http://dx.doi.org/10.1038/ncb2271</a>

## 5 Immunocytochemistry References

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Species / Dilution	Summary
	G10362 was used in immunocytochemistry to study how adult skeletal muscle regeneration uses c-Met regulation of myoblast motility and myocyte fusion
Not Applicable / 1:500	PloS one (Jun 2014; 8: null) <b>"c-MET regulates myoblast motility and myocyte fusion during adult skeletal muscle regeneration."</b> Author(s):Webster MT,Fan CM PubMed Article URL: <a href="http://dx.doi.org/10.1371/journal.pone.0081757">http://dx.doi.org/10.1371/journal.pone.0081757</a>
	G10362 was used in immunocytochemistry to identify gap junction-mediated communication between motoneurons in sexually dimorphic motor nuclei in spinal cord of rat and mouse
Not Applicable / Not Cited	The European journal of neuroscience (Mar 2014; 39: 771) <b>"Connexin36 in gap junctions forming electrical synapses between motoneurons in sexually dimorphic motor nuclei in spinal cord of rat and mouse."</b> Author(s):Bautista W,Nagy JI PubMed Article URL: <a href="http://dx.doi.org/10.1111/ejn.12439">http://dx.doi.org/10.1111/ejn.12439</a>
	G10362 was used in immunocytochemistry to explore how the interaction between beta1-integrin and Fgf2 contributes to the satellite cell niche
Not Applicable / 1:500	Nature medicine (Aug 2016; 22: 889) <b>"Targeting 1-integrin signaling enhances regeneration in aged and dystrophic muscle in mice."</b> Author(s):Rozo M,Li L,Fan CM PubMed Article URL: <a href="http://dx.doi.org/10.1038/nm.4116">http://dx.doi.org/10.1038/nm.4116</a>
	G10362 was used in immunocytochemistry to establish an in vitro system to study three-dimensional corneal differentiation
Not Applicable / Not Cited	Nature (Jul 2014; 511: 358) <b>"WNT7A and PAX6 define corneal epithelium homeostasis and pathogenesis."</b> Author(s):Ouyang H,Xue Y,Lin Y,Zhang X,Xi L,Patel S,Cai H,Luo J,Zhang M,Zhang M,Yang Y,Li G,Li H,Jiang W,Yeh E,Lin J,Pei M,Zhu J,Cao G,Zhang L,Yu B,Chen S,Fu XD,Liu Y,Zhang K PubMed Article URL: <a href="http://dx.doi.org/10.1038/nature13465">http://dx.doi.org/10.1038/nature13465</a>
	G10362 was used in immunocytochemistry to describe the multiple lentiviral expression (MuLE) system that allows multiple genetic alterations to be introduced simultaneously into mammalian cells
Not Applicable / Not Cited	The Journal of clinical investigation (Apr 2015; 125: 1603) <b>"A versatile modular vector system for rapid combinatorial mammalian genetics."</b> Author(s):Albers J,Danzer C,Rechsteiner M,Lehmann H,Brandt LP,Hejhal T,Catalano A,Busenhart P,Gonçalves AF,Brandt S,Bode PK,Bode-Lesniewska B,Wild PJ,Frew IJ PubMed Article URL: <a href="http://dx.doi.org/10.1172/JCI79743">http://dx.doi.org/10.1172/JCI79743</a>

## 2 Immunohistochemistry - Free Floating References

Species / Dilution	Summary
	G10362 was used in immunohistochemistry - free floating to assess using recombinant adeno-associated virus rhesus-10 as a gene therapy vector in the central nervous system
Not Applicable / 1:330	Molecular neurobiology (Jul 2016; 53: 3235) <b>"A Single Injection of Recombinant Adeno-Associated Virus into the Lumbar Cistern Delivers Transgene Expression Throughout the Whole Spinal Cord."</b> Author(s):Guo Y,Wang D,Qiao T,Yang C,Su Q,Gao G,Xu Z PubMed Article URL: <a href="http://dx.doi.org/10.1007/s12035-015-9223-1">http://dx.doi.org/10.1007/s12035-015-9223-1</a>
	G10362 was used in immunohistochemistry - free floating to evaluate adeno-associated virus 9 for potential glioblastoma therapy
Not Applicable / 1:400	Molecular therapy oncolytics (Jul 2016; 3: null) <b>"Systemically administered AAV9-sTRAIL combats invasive glioblastoma in a patient-derived orthotopic xenograft model."</b> Author(s):Crommentuijn MH,Kantar R,Noske DP,Vandertop WP,Badr CE,Würdinger T,Maguire CA,Tannous BA PubMed Article URL: <a href="http://dx.doi.org/10.1038/mto.2016.17">http://dx.doi.org/10.1038/mto.2016.17</a>

## 1 Miscellaneous PubMed References

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Not Applicable / 1:200

Biology of reproduction (Jan 2013; 88: null)

**"Plasminogen activator inhibitor 1 RNA-binding protein interacts with progesterone receptor membrane component 1 to regulate progesterone's ability to maintain the viability of spontaneously immortalized granulosa cells and rat granulosa cells."**

Author(s):Peluso JJ,Yuan A,Liu X,Lodde V

PubMed Article URL:<http://dx.doi.org/10.1095/biolreprod.112.103036>

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