



RABBIT ANTI-NG2 CHONDROITIN SULFATE PROTEOGLYCAN POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB5320
LOT NUMBER:	
QUANTITY:	100 µg
CONCENTRATION:	1.0 mg/mL
SPECIFICITY:	NG2 Chondroitin Sulfate Proteoglycan. AB5320 identifies both the intact proteoglycan and the core protein by Western blot and ELISA.
BACKGROUND:	NG2 is a high molecular weight, integral membrane chondroitin sulfate proteoglycan. It is found on the surfaces of an unusual class of glial cells within the developing and mature central nervous system that have the properties of oligodendrocyte precursor cells (i.e., O-2A progenitor cells). NG2 is also found on the surfaces of chondroblasts, proliferating capillary endothelial cells, some human melanoma cell lines, and on leukemic blasts in childhood acute lymphoblastic leukemia. The NG2 proteoglycan is likely to play a role in regulation of cell motility, axon outgrowth and the cellular responses to platelet-derived growth factor.
IMMUNOGEN:	Immunoaffinity purified NG2 Chondroitin Sulfate Proteoglycan from rat.
APPLICATIONS:	Western blot: 1:600-1:1,500 Immunocytochemistry: 1:150-1:600. Immunohistochemistry: 1:200 on embryonic mouse brain tissue using an Alexa Fluor conjugated secondary antibody. It is suggested that the tissue used is only lightly fixed (4% paraformaldehyde, etc.). Avoid overfixing tissue. Immunoprecipitation: 2 µg/mL ELISA: 1:1,500-1:3,000 Optimal working dilutions must be determined by end user.
SPECIES REACTIVITIES:	Human, mouse, rat and monkey.
FORMAT:	Purified immunoglobulin.
PRESENTATION:	Liquid in PBS containing 0.02% azide.
REFERENCES:	<i>Perspect. Develop. Neurobiology</i> (1996) 3 :245-259. Liu, S., et al., <i>PNAS</i> (2000) 97 :6126-6131. Reubinoff, B.E., et al., <i>Nature Biotechnology</i> (2001) 19 :1134-1140.

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Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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