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Anti-NG2/CSPG4 Antibody

Our NG2/CSPG4 rabbit polyclonal primary antibody from PhosphoSolutions is produced in-house. It dete
Catalog # AN1471

Product Information

Application	WB, IHC
Primary Accession	Q6UVK1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	250537

Additional Information

Gene ID	1464
Other Names	4732461B14Rik antibody, AN2 antibody, AN2 proteoglycan antibody, Chondroitin sulfate proteoglycan 4 (melanoma-associated) antibody, Chondroitin sulfate proteoglycan 4 antibody, Chondroitin sulfate proteoglycan NG2 antibody, Cspg4 antibody, Cspg4 chondroitin sulfate proteoglycan 4 antibody, CSPG4_HUMAN antibody, HMW-MAA antibody, HSN tumor-specific antigen antibody, Kiaa4232 antibody, MCSP antibody, MCSPG antibody, MEL-CSPG antibody, Melanoma chondroitin sulfate proteoglycan antibody, Melanoma-associated chondroitin sulfate proteoglycan antibody, MELCSPG antibody, MSK16 antibody, NG2 antibody
Target/Specificity	Neuron-glial antigen 2 (NG2) is a chondroitin sulfate proteoglycan that is encoded by the CSPG4 gene in humans. It is an excellent oligodendrocyte marker. NG2 is a hallmark protein of oligodendrocyte progenitor cells (OPCs) and has been linked with familial schizophrenia (de Vrij, F.M., et al, 2018). NG2 also plays a role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. It represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells (Luo, W., et al, 2006). NG2 localizes at the apical plasma membrane and relocalizes to the lamellipodia of astrocytoma upon PRKCA phosphorylation.
Dilution	WB~~1:1000 IHC~~1:100~500
Format	Antigen Affinity Purified from Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-NG2/CSPG4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Neuron-glial antigen 2 (NG2) is a chondroitin sulfate proteoglycan that is encoded by the CSPG4 gene in humans. It is an excellent oligodendrocyte marker. NG2 is a hallmark protein of oligodendrocyte progenitor cells (OPCs) and has been linked with familial schizophrenia (de Vrij, F.M., et al, 2018). NG2 also plays a role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. It represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells (Luo, W., et al, 2006). NG2 localizes at the apical plasma membrane and relocalizes to the lamellipodia of astrocytoma upon PRKCA phosphorylation.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.