



Source

Rabbit

Isotype

Rabbit IgG

Conjugate

Unconjugated

Specificity

This product is a specific antibody specifically reacts with NG2/Cspg4.

Purification

Protein A purified/ Protein G purified

Formulation

Supplied as 0.2 µm filtered solution in undefined.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with blue ice, please inquire the shipping cost.

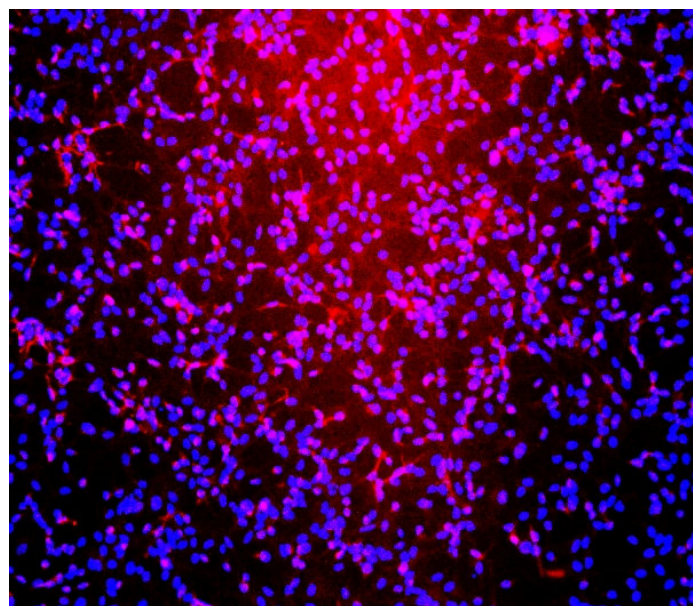
Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- Shipped at 4°C. Store at -20/4°C for months and -80°C for years. Avoid freeze/thaw cycle.

Immunostaining



Immunofluorescent staining (10X) of cerebral organoid-derived cells (CIPO-BWL001K) labeling NG2 (Red) with purified NG4-S455 at 1:200 dilution. DAPI (blue) was used as nuclear counterstain.

Background

Neuron-glia antigen 2 (NG2), also known as chondroitin sulphate proteoglycan 4 (CSPG4), is a surface type I transmembrane core proteoglycan that is crucially involved in cell survival, migration and angiogenesis. In the central nervous system, NG2/Cspg4 is expressed in certain glia cells which are sometimes called polydendrocytes or oligodendrocyte precursor cells (OPCs), as well as in mesenchymal stem cells, osteoblasts, melanocytes, smooth muscle cells and macrophages. NG2/Cspg4-mediated signaling has been shown to play an important role in the progression of several tumor types including glioblastoma and malignant melanoma. NG2/Cspg4 is also a typical marker for vessel-surrounding pericytes, which contribute to the stabilization of microvessels, the regulation of capillary blood flow and angiogenesis.

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and more!



Polyclonal NG2/Cspg4 Antibody, Rabbit IgG

Catalog # NG4-S455



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