

Neurocan polyclonal antibody

Catalog: BS5819

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

The lecticans are a family of chondroitin proteoglycans, including aggrecan, versican, neurocan and brevican, that contain a C-type lectin domain. Neurocan is a glycoprotein synthesized primarily by neurons, and its expression levels are highest during embryonic brain development and during the early postnatal period. Neurocan is a component of the extracellular matrix in the central nervous system that can bind to various other CNS matrix components, such as heparin, Tenascin-R, HB-GAM and NCAM, suggesting that it plays a role in axon guidance and neurite growth. Neurocan is a 1,257 amino acid, precursor protein in embryonic and neonatal rats that is proteolytically processed in the adult CNS into an N-terminal fragment, which localizes to the cytoplasm of glial cells. Neurocan expression (including the re-expression of the neonatal isoform) increases significantly in adults in the glial scar resulting from cortical injury.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 220 kDa (Full length), 140 kDa (Proteolytic variant)

Swiss-Prot:

O14594

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

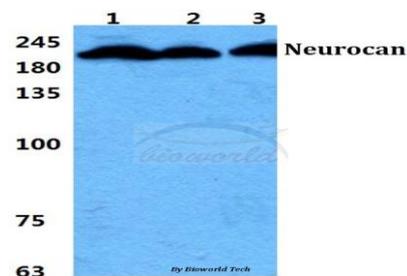
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Neurocan polyclonal antibody detects endogenous levels of Neurocan protein.

DATA:



Western blot (WB) analysis of Neurocan polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate

Lane2:Raw264.7 cell lysate

Lane3:H9C2 cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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