

Neurocan Polyclonal Antibody

Catalog: BS65654

Host: Rabbit

Reactivity: Human, Mouse, Rat,

BackGround:

Neurocan is the major soluble chondroitin sulfate proteoglycan in the brain. It is thought to play a functional role in axonal growth and guidance and in the establishment of specific neural pathways during embryonic brain development. Neurocan expression in the brain is developmentally regulated. Early on the major form of neurocan consists of a 245kD core protein with approximately two chondroitin sulfate glycosaminoglycan chains of 22kD each. Later neurocan comprises a 180kD core protein. Both forms of neurocan contain only chondroitin 4-sulfate glycosaminoglycan chains. By virtue of their high expression at sites of neural damage and trauma, chondroitin sulfate proteoglycans, including neurocan, are thought to inhibit successful nerve regeneration. Alternative names: Chondroitin sulfate proteoglycan 3; Cspg3; NCAN; NEUR; Neurocan core protein.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

140kD

Swiss-Prot:

P55066

Purification&Purity:

affinity purified by Protein A

Applications:

IHC-P=1:100-500

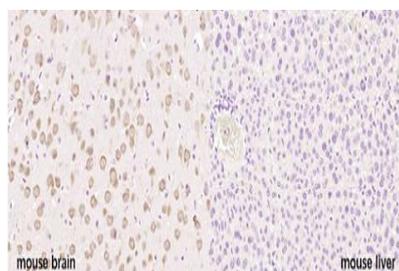
Storage&Stability:

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

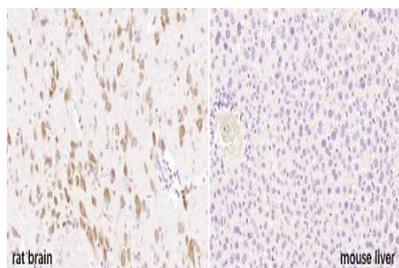
Specificity:

Neurocan Polyclonal Antibody detects endogenous levels of Neurocan protein.

DATA:



Positive sample: Paraformaldehyde-fixed, paraffin embedded (mouse brain); Negative sample: Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (Neurocan) Polyclonal Antibody, Unconjugated at 1:200 overnight at 4 °C,



Positive sample: Paraformaldehyde-fixed, paraffin embedded (rat brain); Negative sample: Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (Neurocan) Polyclonal Antibody, Unconjugated at 1:200 overnight at 4 °C

Note:

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

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