bs-1055R **[Primary Antibody]**

Neurocan Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1463 **SWISS:** O14594

Target: Neurocan

Immunogen: KLH conjugated synthetic peptide derived from human Neurocan: 1185-1257/1257.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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 glycosoaminoglycan chains of 22kD each. Later neurocan comprises a 180kD core protein Both forms of neurocan contain only chondroitin 4-sulfate glycosoaminoglycan 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.

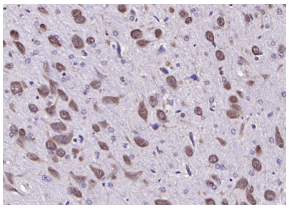
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat

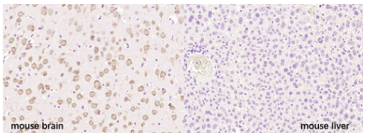
Predicted MW.: 140 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat brain); 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 (bs-1055R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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 (bs-1055R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=0.96]** Yang, L., et al. "Transplantation of Schwann Cells Differentiated from Adipose-derived Stem Cells Modifies Reactive Gliosis after Contusion Brain Injury in Rats." Journal of International Medical Research 39.4 (2011): 1344-1357.

WB ;="Rat". 21986135