

Anti-Neurocan Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human)
Molecular Weight:	Theoretical: 140 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Neurocan) Polyclonal Antibody, Unconjugated (TMAB-09383) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Neurocan) Polyclonal Antibody, Unconjugated (TMAB-09383) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Neurocan) Polyclonal Antibody, Unconjugated (TMAB-09383) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
4. 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 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Neurocan) Polyclonal Antibody, Unconjugated (TMAB-09383) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
5. 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 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Neurocan) Polyclonal Antibody, Unconjugated (TMAB-09383) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Neurocan) Polyclonal Antibody, Unconjugated (TMAB-09383) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Verified Activity:

A DRUG SCREENING EXPERT

7. Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Neurocan) Polyclonal Antibody, Unconjugated (TMAB-09383) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Application: IHC-P,IHC-Fr,IF

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Neurocan

Antigen Species: Human

Gene ID: 1463

Uniprot ID: O14594

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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