

Sema4C Rabbit pAb

Catalog Number: bs-1123R

Target Protein: Sema4C

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 90 kDa

Entrez Gene: 54910

Swiss Prot: Q9C0C4

Source: KLH conjugated synthetic peptide derived from human Sema4C: 751-833/833.

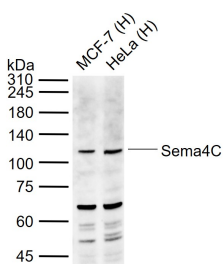
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

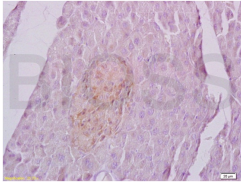
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Members of the semaphorin protein family are involved in axonal guidance during neural development. Semaphorin 5a is thought to have a bifunctional role in axon guidance, exerting both attractive and inhibitory effects on developing axons associated with limbic function. The thrombospondin repeats of Semaphorin 5a physically interact with both heparan sulfate proteoglycans and chondroitin sulfate proteoglycans, inducing attractive and inhibitory guidance cues, respectively. The biological responses to Semaphorin 5a are induced through binding to its high-affinity receptor, plexin B3, triggering intracellular signaling through Met.

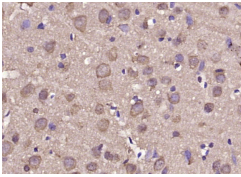
VALIDATION IMAGES



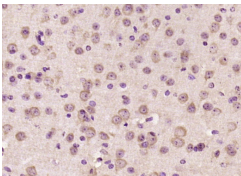
Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human HeLa cell lysates Primary: Anti-Sema4C (bs-1123R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 90 kDa Observed band size: 115 kDa



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Sema4C Polyclonal Antibody, Unconjugated(bs-1123R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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 (Sema4C) Polyclonal Antibody, Unconjugated (bs-1123R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (Sema4C) Polyclonal Antibody, Unconjugated (bs-1123R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.