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Datasheet for ABIN737995
anti-SEMA4C antibody (AA 751-833) (Cy5)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | SEMA4C |
| Binding Specificity: | AA 751-833 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SEMA4C antibody is conjugated to Cy5 |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from human Sema4C |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Predicted Reactivity: | Human,Dog,Cow,Pig,Horse |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | SEMA4C |
| Alternative Name: | Sema4C (SEMA4C Products) |

Target Details

Background: Synonyms: Semaphorin-4C, Sema4C, SEMAI, KIAA1739

Background: Bifunctional axonal guidance cue regulated by sulfated proteoglycans, attractive effects result from interactions with heparan sulfate proteoglycans (HSPGs), while the inhibitory effects depend on interactions with chondroitin sulfate proteoglycans (CSPGs) (By similarity). Ligand for receptor PLXNB3. In glioma cells, SEMA5A stimulation of PLXNB3 results in the disassembly of F-actin stress fibers, disruption of focal adhesions and cellular collapse as well as inhibition of cell migration and invasion through ARHGDI A-mediated inactivation of RAC1. May promote angiogenesis by increasing endothelial cell proliferation and migration and inhibiting apoptosis.

Gene ID: 54910

UniProt: [Q9C0C4](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months
