

SEMA4A Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP08202

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human SEMA4A. AA range:501-

550

Mol wt 83574

Species reactivity Human, Mouse, Rat, Monkey

Clonality Polyclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name SEMA4A Antibody

Synonyms SEMA4A; SEMAB; SEMB; Semaphorin-4A; Semaphorin-B; Sema B

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

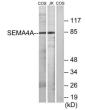
SEMA4A encodes a member of the semaphorin family of soluble and transmembrane proteins. Semaphorins are involved in numerous functions, including axon guidance, morphogenesis, carcinogenesis, and immunomodulation. The encoded protein is a single-pass type I membrane protein containing an immunoglobulin-like C2-type domain, a PSI domain and a sema domain. It inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons. It is an activator of T-cell-mediated immunity and suppresses vascular endothelial growth factor (VEGF)-mediated endothelial cell migration and proliferation in vitro and angiogenesis in vivo. Mutations in this gene are associated with retinal degenerative diseases including retinitis pigmentosa type 35 (RP35) and cone-rod dystrophy type 10 (CORD10). Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Recommended Dilution

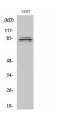
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ELISA: 1: 20000

Not yet tested in other applications.

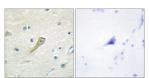
Images



Western blot analysis of lysates from COS7 and Jurkat cells, using SEMA4A Antibody. The lane on the right is blocked with the synthesized peptide.







Immunohistochemistry analysis of paraffin-embedded human brain tissue, using SEMA4A Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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