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Semaphorin 4A Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51499

Product Information

Application	WB, IP, ICC
Primary Accession	Q9H3S1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83574

Additional Information

Gene ID	64218
Other Names	Semaphorin-4A, Semaphorin-B, Sema B, SEMA4A, SEMAB, SEMB
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Semaphorin 4A. The exact sequence is proprietary.
Dilution	WB~~1:1000 IP~~N/A ICC~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	SEMA4A
Synonyms	SEMAB, SEMB
Function	Cell surface receptor for PLXNB1, PLXNB2, PLXNB3 and PLXND1 that plays an important role in cell-cell signaling (By similarity). Regulates glutamatergic and GABAergic synapse development (By similarity). Promotes the development of inhibitory synapses in a PLXNB1-dependent manner and promotes the development of excitatory synapses in a PLXNB2-dependent manner (By similarity). Plays a role in priming antigen-specific T-cells, promotes differentiation of Th1 T- helper cells, and thereby contributes to adaptive immunity (By similarity). Promotes phosphorylation of TIMD2 (By similarity). Inhibits angiogenesis (By similarity). Promotes axon growth cone collapse (By similarity). Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Background

Cell surface receptor for PLXNB1, PLXNB2, PLXNB3 and PLXND1 that plays an important role in cell-cell signaling. Plays a role in priming antigen-specific T-cells, promotes differentiation of Th1 T-helper cells, and thereby contributes to adaptive immunity. Promotes phosphorylation of TIMD2. Inhibits angiogenesis. Promotes axon growth cone collapse. Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons (By similarity).

References

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