

Semaphorin 4A Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51499**Specification**

Semaphorin 4A Antibody - Product Information

Application	WB, IP, ICC, E
Primary Accession	Q9H3S1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84 KDa

Semaphorin 4A Antibody - Additional Information**Gene ID** 64218**Other Names**

Semaphorin-4A, Semaphorin-B, Sema B, SEMA4A, SEMAB, SEMB

Dilution

WB~~1:1000

IP~~N/A

ICC~~N/A

E~~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

Semaphorin 4A Antibody - 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

Semaphorin 4A Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Semaphorin 4A Antibody - Images**Semaphorin 4A Antibody - 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).

Semaphorin 4A Antibody - References

Seki N.,et al.Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Abid A.,et al.J. Med. Genet. 43:378-381(2006).