

Rabbit SEMA4A Polyclonal Antibody | anti-SEMA4A antibody

SEMA4A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324128	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SEMA4A; Polyclonal Antibody; SEMA4A Antibody; CORD10; RP11 54H19 2; RP35; SEM4A_HUMAN; Sema B; Sema domain immunoglobulin domain Ig transmembrane domain TM and short cytoplasmic domain 4A; Sema domain immunoglobulin domain Ig transmembrane domain TM and short cytoplasmic domain semaphorin 4A; Sema domain; immunoglobulin domain (Ig); transmembrane domain (TM) and short cytoplasmic domain; (semaphorin); Sema4a; SEMAB; Semaphorin 4A precursor; Semaphorin B; Semaphorin-4A; Semaphorin-B; SEMB; anti-SEMA4A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SEMA4A antibody detects endogenous levels of total SEMA4A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	761
Applicable Applications for anti-SEMA4A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SEMA4A, corresponding to a region within the internal amino acids.
Similarity	Belongs to the semaphorin family.
Important	For Western Blot (WB), incubate membrane with diluted Ab in 5% w/v milk, 1X TBS, 0.1% Tween(R)20 at 4 degree C with gentle shaking, overnight.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA324128 at 1/100 staining Mouse intestine tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from COS-7 cells using SEMA4A antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324128 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SEMA4A antibody	Function: 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). Subunit Structure: Interacts with PLXNB1, PLXNB2, PLXNB3 and PLXND1. Probable ligand for TIMD2 (By similarity). Similarity: Belongs to the semaphorin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	300863072
NCBI GeneID	64218
NCBI Accession #	NP_001180229.1
NCBI GenBank Nucleotide #	NM_001193300.1
UniProt Accession #	Q9H3S1; Q5TCI5; Q5TCJ6; Q8WUA9; B2RDH8; B3KR76
Molecular Weight	84 kDa
NCBI Official Full Name	semaphorin-4A isoform 1
NCBI Official Synonym Full Names	semaphorin 4A
NCBI Official Symbol	SEMA4A
NCBI Official Synonym Symbols	RP35; SEMB; SEMAB; CORD10
NCBI Protein Information	semaphorin-4A
UniProt Protein Name	Semaphorin-4A
UniProt Gene Name	SEMA4A
UniProt Synonym Gene Names	SEMAB; SEMB; Sema B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sema4a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324128>