

Semaphorin 4D Rabbit mAb
Catalog # AP76067**Specification**

Semaphorin 4D Rabbit mAb - Product Information

Application	WB, ICC
Primary Accession	Q92854
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	96150

Semaphorin 4D Rabbit mAb - Additional Information**Gene ID** 10507**Other Names**
SEMA4D**Dilution**
WB~~1/500-1/1000
ICC~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**Semaphorin 4D Rabbit mAb - Protein Information****Name** SEMA4D**Synonyms** C9orf164, CD100, SEMA4**Function**

Cell surface receptor for PLXNB1 and PLXNB2 that plays an important role in cell-cell signaling (PubMed:20877282). Regulates GABAergic synapse development (By similarity). Promotes the development of inhibitory synapses in a PLXNB1-dependent manner (By similarity). Modulates the complexity and arborization of developing neurites in hippocampal neurons by activating PLXNB1 and interaction with PLXNB1 mediates activation of RHOA (PubMed:19788569). Promotes the migration of cerebellar granule cells (PubMed:16055703). Plays a role in the immune system; induces B-cells to aggregate and improves their viability (in vitro) (PubMed:8876214). Induces endothelial cell migration through the activation of PTK2B/PYK2, SRC, and the

phosphatidylinositol 3-kinase-AKT pathway (PubMed:16055703).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Strongly expressed in skeletal muscle, peripheral blood lymphocytes, spleen, and thymus and also expressed at lower levels in testes, brain, kidney, small intestine, prostate, heart, placenta, lung and pancreas, but not in colon and liver

Semaphorin 4D Rabbit mAb - 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 4D Rabbit mAb - Images

