

SEMA4C Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13003b**Specification**

SEMA4C Antibody (C-term) - Product Information

Application	WB, FC,E
Primary Accession	O9C0C4
Other Accession	O64151 , NP_060259.4
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	792-821

SEMA4C Antibody (C-term) - Additional Information**Gene ID** 54910**Other Names**

Semaphorin-4C, SEMA4C, KIAA1739, SEMAI

Target/Specificity

This SEMA4C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 792-821 amino acids of human SEMA4C.

Dilution

WB~~1:4000

FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SEMA4C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SEMA4C Antibody (C-term) - Protein Information**Name** SEMA4C**Synonyms** KIAA1739, SEMAI

Function Cell surface receptor for PLXNB2 that plays an important role in cell-cell signaling. PLXNB2 binding promotes downstream activation of RHOA and phosphorylation of ERBB2 at 'Tyr-1248'. Required for normal brain development, axon guidance and cell migration (By similarity). Probable signaling receptor which may play a role in myogenic differentiation through activation of the stress-activated MAPK cascade.

Cellular Location

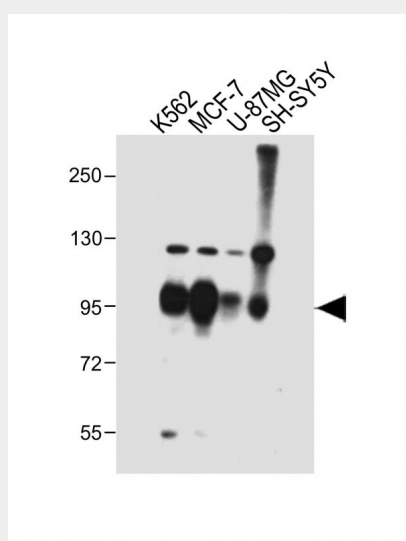
Postsynaptic density membrane; Single-pass type I membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type I membrane protein

SEMA4C Antibody (C-term) - Protocols

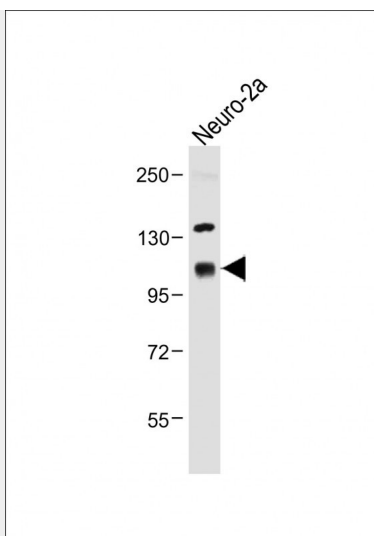
Provided below are standard protocols that you may find useful for product applications.

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

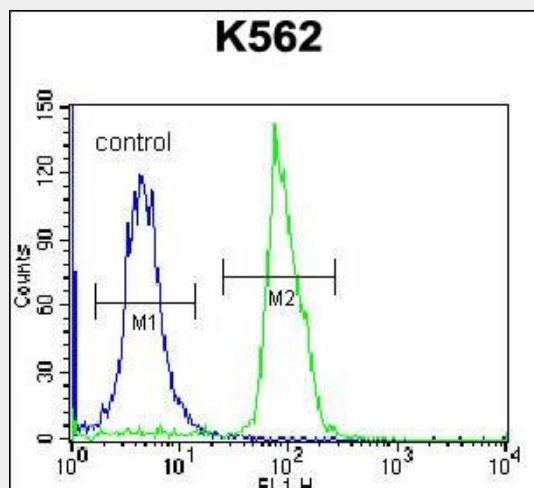
SEMA4C Antibody (C-term) - Images



All lanes : Anti-SEMA4C Antibody (C-term) at 1:2000 dilution Lane 1: K562 whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: U-87MG whole cell lysate Lane 4: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 93 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-SEMA4C Antibody (C-term) at 1:4000 dilution + Neuro-2a whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 93 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



SEMA4C Antibody (C-term) (Cat. #AP13003b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

SEMA4C Antibody (C-term) - Background

Probable signaling receptor which may play a role in myogenic differentiation through activation of the stress-activated MAPK cascade.

SEMA4C Antibody (C-term) - References

- Wu, H., et al. Eur. J. Cell Biol. 86(6):331-344(2007)
- Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)
- Inagaki, S., et al. J. Biol. Chem. 276(12):9174-9181(2001)
- Ohoka, Y., et al. Biochem. Biophys. Res. Commun. 280(1):237-243(2001)
- Wang, L.H., et al. J. Biol. Chem. 274(20):14137-14146(1999)