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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	Q9C0C4
Other Accession	Q64151, 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.

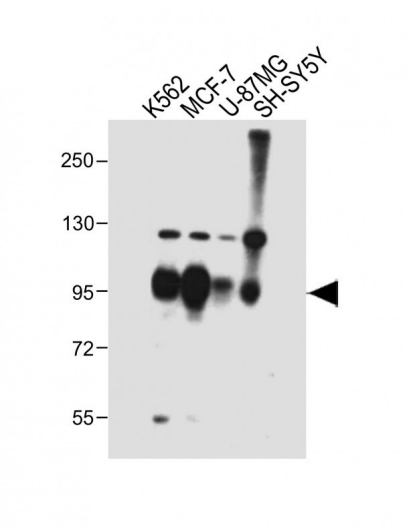
Cellular Location
Postsynaptic density membrane; Single-pass type I membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type I membrane protein

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 Cytomety
- 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.

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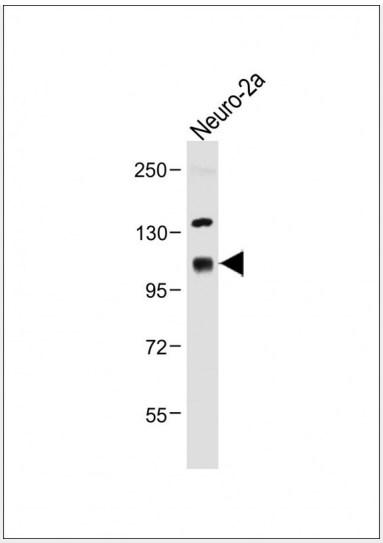
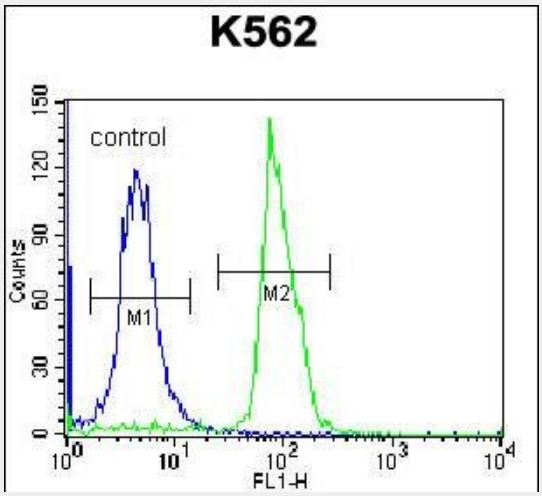


Anti-SEMA4C Antibody (C-term) at 1:4000 dilution + Neuro-2a whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 93 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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)
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