



Rabbit Anti-SEMA4F antibody

SL11478R

Product Name:	SEMA4F
Chinese Name:	Transmembrane proteinSEMA4F抗体
Alias:	M SEMA; m Sema M; PRO2353; Sema domain immunoglobulin domain (Ig) transmembrane; Sema M; Sema W; SEMAM; Semaphorin M; Semaphorin W; SEMAW; SEM4F_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	80kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SEMA4F:239-288/770<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Semaphorins are a family of cell surface and secreted proteins that are conserved from insects to humans. Members of this family of proteins are approximately 750 amino acids in length (including signal sequences) and are defined by a conserved extracellular “semaphorin” domain of approximately 500 amino acids containing 14-16

cysteines, blocks of conserved sequences and no obvious repeats. Secreted and cell-bound semaphorins chemically attract and repel the growth of neural axons, guiding the development of intricate networks of neural tissue. SEMA4F (semaphorin-4F), also known as SEMAM, SEMAW or PRO2353, is a 770 amino acid member of the semaphorin family. Localized to the membrane, SEMA4F is a single-pass type I protein that is involved in growth cone collapse of retinal ganglion-cell axons. SEMA4F is highly expressed in postnatal brain and lung and contains one immunoglobulin-like (Ig-like) domain, one PSI domain and one semaphorin domain. Two isoforms exist due to alternative splicing events.

Function:

SEMA4F has growth cone collapse activity against retinal ganglion-cell axons.

Subcellular Location:

Membrane; Single-pass type I membrane protein

Similarity:

Belongs to the semaphorin family.

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 PSI domain.

Contains 1 Sema domain.

SWISS:

O95754

Gene ID:

10505

Database links:

[Entrez Gene: 10505](#)Human

[Entrez Gene: 20355](#)Mouse

[Entrez Gene: 29745](#)Rat

[Omim: 603706](#)Human

[SwissProt: O95754](#)Human

[SwissProt: Q9Z123](#)Mouse

[SwissProt: Q9Z143](#)Rat

[Unigene: 25887](#)Human

[Unigene: 270543](#)Mouse

[Unigene: 42885](#)Rat

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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