



## Rabbit Anti-SEMA4G antibody

SL11479R

<b>Product Name:</b>	SEMA4G
<b>Chinese Name:</b>	Transmembrane proteinSEMA4G抗体
<b>Alias:</b>	SEM4G_HUMAN; sema domain immunoglobulin domain (Ig) transmembrane domain (TM) and short cytoplasmic domain (semaphorin) 4G; Sema4g; semaphorin 4G; Semaphorin 4G precursor; Semaphorin-4G.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Horse,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	90kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SEMA4G:71-120/838<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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. SEMA4G (semaphorin-4G) is an 838 amino acid single-pass type I membrane protein that is thought to play a role in axon guidance. Existing as three alternatively spliced isoforms, SEMA4G contains one Ig-like C2-type (immunoglobulin-like) domain, a PSI domain and a single SEMA domain.

**Function:**

Cell surface receptor for PLXNB2. May play a role in axon guidance.

**Subunit:**

Interacts with PLXNB2

**Subcellular Location:**

Cell 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:**

Q9NTN9

**Gene ID:**

57715

**Database links:**

[Entrez Gene: 57715](#)Human

[SwissProt: Q9NTN9](#)Human

[Unigene: 591923](#)Human

[Unigene: 735152](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.