SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-SEMA4G antibody

Catalog Number: SL11479R

FOR RESEARCH USE ONLY

[DATASHEET]

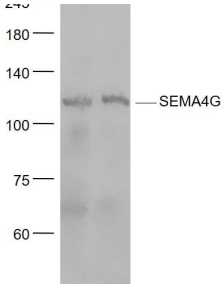
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	SEMA4G
Immunogen:	KLH conjugated synthetic peptide derived from human SEMA4G: 71-120/838 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, (predicted: Mouse, Rat, Dog, Horse)
Predicted MW.:	90kDa
Subcellular Location:	The cell membrane
Background:	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.

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

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	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. **Database links:** **Entrez Gene:** 57715 Human **SwissProt:** Q9NTN9 Human **Unigene:** 591923 Human **Unigene:** 735152 Human

[VALIDATION IMAGES]



Sample:
HepG2(Human) Cell Lysate at 30 ug
A549(Human) Cell Lysate at 30 ug
Primary: Anti- SEMA4G (SL11479R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 90 kD
Observed band size: 105kD

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