

Rabbit anti-Human SEMA5A Polyclonal Antibody | anti-SEMA5A antibody

SEMA5A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA114308	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

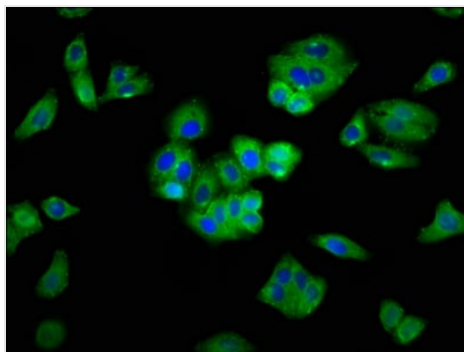
PRODUCT SYNONYMS

SEMA5A; Polyclonal Antibody; SEMA5A Antibody; Semaphorin-5A; Semaphorin-F; Sema F; SEMAF; anti-SEMA5A antibody

PRODUCT SPECIFICATIONS

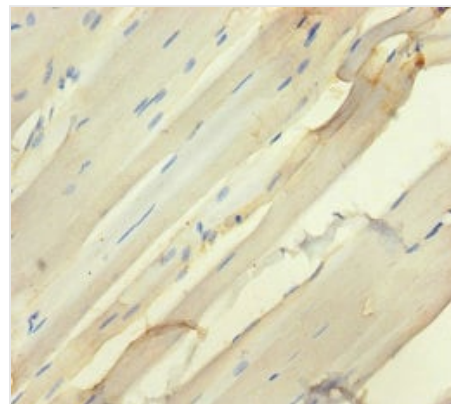
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid; Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Sequence Length	1074
Applicable Applications for anti-SEMA5A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Semaphorin-5A protein (201-400AA)
Immunogen Species	Homo sapiens (Human)
Conjugation	Non-conjugated
Research Area	Others
Target Names	SEMA5A
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



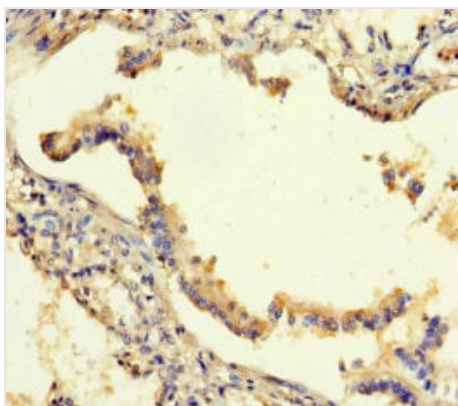
IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA114308 at 1:400, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using AAA114308 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human lung tissue using AAA114308 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-SEMA5A antibody	Bifunctional axonal guidance cue regulated by sulfated proteoglycans; attractive effects result from interactions with heparan sulfate proteoglycans (HSPGs), while the inhibitory effects depend on interactions with chondroitin sulfate proteoglycans (CSPGs). Ligand for receptor PLXNB3. In glioma cells, SEMA5A stimulation of PLXNB3 results in the disassembly of F-actin stress fibers, disruption of focal adhesions and cellular collapse as well as inhibition of cell migration and invasion through ARHGDIA-mediated inactivation of RAC1. May promote angiogenesis by increasing endothelial cell proliferation and migration and inhibiting apoptosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	147904700
NCBI GeneID	9037
NCBI Accession #	NP_003957.2
NCBI GenBank Nucleotide #	NM_003966.2
UniProt Accession #	Q13591; O60408; Q1RLL9; D3DTC6
NCBI Official Full Name	semaphorin-5A
NCBI Official Synonym Full Names	semaphorin 5A
NCBI Official Symbol	SEMA5A
NCBI Official Synonym Symbols	semF; SEMAF
NCBI Protein Information	semaphorin-5A
UniProt Protein Name	Semaphorin-5A
UniProt Gene Name	SEMA5A
UniProt Synonym Gene Names	SEMAF; Sema F
UniProt Entry Name	SEM5A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.