

Rabbit SEMA3A Polyclonal Antibody | anti-SEMA3A antibody

SEMA3A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327548	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

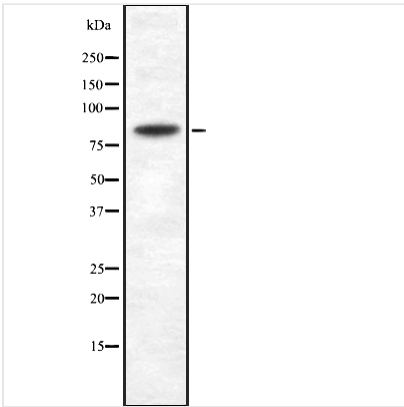
PRODUCT SYNONYMS

SEMA3A; Polyclonal Antibody; SEMA3A Antibody; Coll 1; Coll1; Collapsin 1; HH16; Hsema I; Hsema III; Sema domain immunoglobulin domain (Ig) short basic domain secreted (semaphorin) 3A; sema domain; immunoglobulin domain (Ig); short basic domain; secreted; (semaphorin) 3A; Sema III; SEMA1; SEMA1-PEN; SEMAD; SEMAIII; SEMAL; Semaphorin 3A precursor; Semaphorin III; semaphorin L; Semaphorin like growth cone guidance homolog of chick collapsin; Semaphorin-D; Semaphorin3A; SemD; anti-SEMA3A antibody

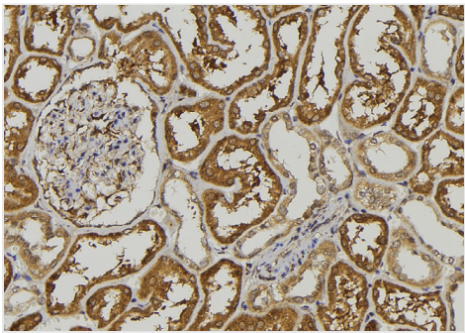
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SEMA3A antibody detects endogenous levels of total SEMA3A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	771
Applicable Applications for anti-SEMA3A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SEMA3A
Subcellular Location	Secreted
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (91%), Dog (100%), Chicken (100%), Xenopus (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis SEMA3A using Jurkat whole cell lysates



IHC (Immunohistochemistry)
AAA327548 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-SEMA3A antibody	Function: Involved in the development of the olfactory system and in neuronal control of puberty. Induces the collapse and paralysis of neuronal growth cones. Could serve as a ligand that guides specific growth cones by a motility-inhibiting mechanism. Binds to the complex neuropilin-1/plexin-1. Subunit Structure: Interacts with PLXND1. Similarity: Strong binding to neuropilin is mediated by the carboxy third of the protein. Belongs to the semaphorin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174673
NCBI GeneID	10371
NCBI Accession #	NP_006071.1
NCBI GenBank Nucleotide #	NM_006080.2
UniProt Accession #	Q14563
Molecular Weight	Observed: 88 kDa Predicted: 89 kDa
NCBI Official Full Name	semaphorin-3A
NCBI Official Synonym Full Names	semaphorin 3A
NCBI Official Symbol	SEMA3A
NCBI Official Synonym Symbols	HH16; SemD; COLL1; SEMA1; SEMAD; SEMAL; coll-1; Hsema-I; SEMAIII; Hsema-III
NCBI Protein Information	semaphorin-3A
UniProt Protein Name	Semaphorin-3A
UniProt Gene Name	SEMA3A
UniProt Synonym Gene Names	SEMAD; Sema III

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.