

Rabbit Semaphorin 4B Polyclonal Antibody | anti-SEMA4B antibody

Phospho-Semaphorin 4B (Ser825) Antibody

CATALOG # AAA321384	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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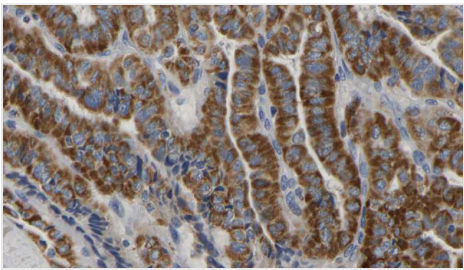
PRODUCT SYNONYMS

Semaphorin 4B; Polyclonal Antibody; Phospho-Semaphorin 4B (Ser825) Antibody; KIAA1745; MGC131831; Sema domain immunoglobulin domain (Ig) transmembrane domain (TM) and short cytoplasmic domain (semaphorin) 4B; Sema domain immunoglobulin domain (Ig) transmembrane domain (TM) and short cytoplasmic domain 4B; SEMA4B; SEMAC; SemC; anti-SEMA4B antibody

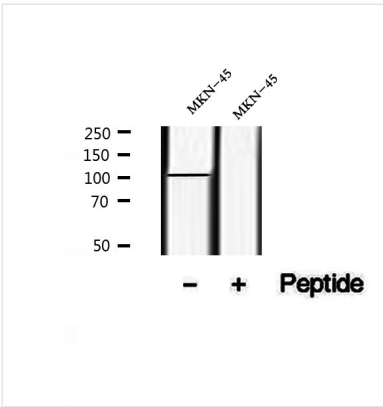
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Semaphorin 4B (Ser825) antibody detects endogenous levels of Semaphorin 4B.
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
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	837
Applicable Applications for anti-SEMA4B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Semaphorin 4B around the phosphorylation site of Ser825.
Subcellular Location	Membrane
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (100%)
Conjugation	Unconjugated
Epitope	Phospho Ser825
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA321384 at 1/100 staining Human thyroid cancer 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.



WB (Western Blot)
Western blot analysis of extracts of MKN-45 cells , using Phospho-Semaphorin 4B (Ser825) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SEMA4B antibody	Function: Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons. Similarity: Belongs to the semaphorin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	39777608
NCBI GeneID	10509
NCBI Accession #	NP_064595.2
NCBI GenBank Nucleotide #	NM_020210.3
UniProt Accession #	Q9NPR2; Q6UXE3; Q8WVP9; Q96FK5; Q9C0B8; Q9H691; Q9NPM8; Q9NPN0
Molecular Weight	Observed: 105 kDa Predicted: 93 kDa
NCBI Official Full Name	semaphorin-4B isoform 1
NCBI Official Synonym Full Names	semaphorin 4B
NCBI Official Symbol	SEMA4B
NCBI Official Synonym Symbols	SemC; SEMAC
NCBI Protein Information	semaphorin-4B
UniProt Protein Name	Semaphorin-4B
UniProt Gene Name	SEMA4B
UniProt Synonym Gene Names	KIAA1745; SEMAC

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.