

Rabbit anti-Human, mouse SEMA6D Polyclonal Antibody | anti-SEMA6D antibody

SEMA6D Antibody (N-term)

CATALOG # AAA289820	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS ELISA, Western Blot
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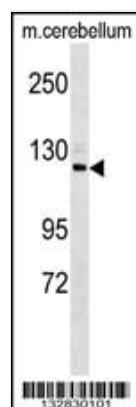
PRODUCT SYNONYMS

SEMA6D; Polyclonal Antibody; SEMA6D Antibody (N-term); Semaphorin-6D; KIAA1479; anti-SEMA6D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SEMA6D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-48 amino acids from the N-terminal region of human SEMA6D.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	19-48
Sequence Length	597
Applicable Applications for anti-SEMA6D antibody	ELISA, WB (Western Blot)
Cellular Location	Isoform 1: Cell membrane; Single-pass type I membrane protein Isoform 3: Cell membrane; Single-pass type I membrane protein Isoform 5: Cell membrane; Single-pass type I membrane protein
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

SEMA6D Antibody (N-term) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the SEMA6D antibody detected the SEMA6D protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SEMA6D antibody	Semaphorins are a large family, including both secreted and membrane associated proteins, many of which have been implicated as inhibitors or chemorepellents in axon pathfinding, fasciculation and branching, and target selection. All semaphorins possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Additional sequence motifs C-terminal to the semaphorin domain allow classification into distinct subfamilies. Results demonstrate that transmembrane semaphorins, like the secreted ones, can act as repulsive axon guidance cues. This gene encodes a class 6 vertebrate transmembrane semaphorin that demonstrates alternative splicing. Several transcript variants have been identified and expression of the distinct encoded isoforms is thought to be regulated in a tissue- and development-dependent manner. [provided by RefSeq].
Product Categories/Family for anti-SEMA6D antibody	Cell biology; Neuroscience
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Stokowski, R.P., et al. Am. J. Hum. Genet. 81(6):1119-1132(2007) Zhao, X.Y., et al. World J. Gastroenterol. 12(45):7388-7390(2006) Takegahara, N., et al. Nat. Cell Biol. 8(6):615-622(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	312222667
NCBI GeneID	80031
NCBI Accession #	NP_001185928.1; NP_065909.1; NP_079242.2; NP_705869.1; NP_705870.1; NP_705871.1; NP_705872.1
NCBI GenBank Nucleotide #	NM_001198999.1
UniProt Accession #	Q8NFY4; Q8NFY3; Q8NFY5; Q8NFY6; Q8NFY7; Q9P249; A6NF10; A6NM95; A6NNK1; A7E2A0
Molecular Weight	119872
NCBI Official Full Name	semaphorin-6D isoform 1
NCBI Official Synonym Full Names	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D
NCBI Official Symbol	SEMA6D
NCBI Protein Information	semaphorin-6D
UniProt Protein Name	Semaphorin-6D
UniProt Gene Name	SEMA6D
UniProt Synonym Gene Names	KIAA1479
UniProt Entry Name	SEM6D_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sema6d-antibody-western-blot-elisa/289820>