

Product Name: KD-Validated Semaphorin 4D Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01938

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 96.2kDa

Antigen Information

Gene Name	SEMA4D Semaphorin 4D; CD100; C9orf164; Coll-4; SEMA4; Sema Domain, Immunoglobulin Domain (Ig), Transmembrane Domain (TM) And Short Cytoplasmic Domain, (Semaphorin) 4D;
Alternative Names	Semaphorin-4D; FLJ39737; BB18; GR3; A8; Sema Domain, Immunoglobulin Domain (Ig), Transmembrane Domain (TM) And Short Cytoplasmic Domain, 4D; Chromosome 9 Open Reading Frame 164; CD100 Antigen; M-Sema G; M-Sema-G; COLL4
Gene ID	10507.0
SwissProt ID	Q92854
Immunogen	A synthesized peptide derived from human Semaphorin 4D / CD100

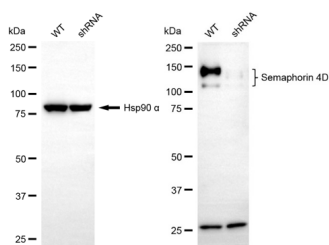
Background

Enables identical protein binding activity; semaphorin receptor binding activity; and transmembrane signaling receptor activity. Involved in several processes, including positive regulation of phosphatidylinositol 3-kinase/protein kinase B signal transduction; regulation of neuron projection development; and regulation of primary metabolic process. Located in microtubule organizing center; nucleoplasm; and plasma membrane. [provided by Alliance of Genome Resources, Jul 2025]

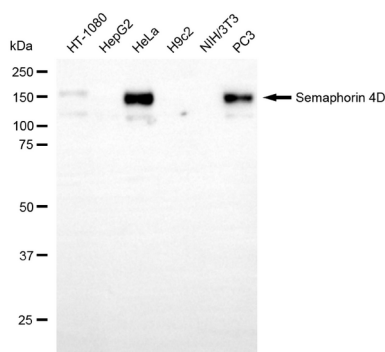
Research Area

Immunology, Neuroscience

Image Data



Western blotting analysis using semaphorin 4D antibody (KVA01938). Semaphorin 4D expression in wild-type (WT) and semaphorin 4D (SEMA4D) shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with semaphorin 4D antibody (KVA01938, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using semaphorin 4D antibody (KVA01938). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with semaphorin 4D antibody (KVA01938, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.