

**产品名称: Semaphorin 4D / CD100 (13A9) Rabbit
Monoclonal Antibody**
产品货号: AMRe17718



产品概述 (Summary)

产品名称 (Production Name)	Semaphorin 4D / CD100 (13A9) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SEMA4D
别名 (Alternative Names)	BB18; CD100; COLL4; Collapsin 4; GR3; MSEMA; Sema4d; Semacl2; SemaH; SEMAJ; Semaphorin 4D; Semaphorin H; Semaphorin J; Semcl2;
基因 ID (Gene ID)	10507.0
蛋白 ID (SwissProt ID)	Q92854.A synthetic peptide of human Semaphorin 4D

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000,IHC 1:20-1:100,ICC/IF 1:20-1:100
蛋白分子量 (Molecular Weight)	96kDa

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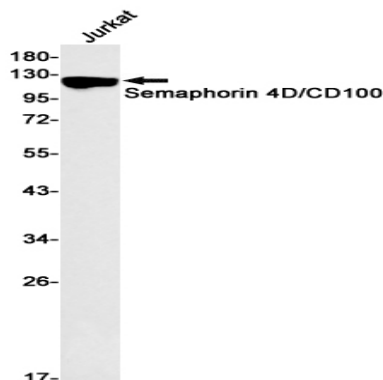
研究背景 (Background)

May play a functional role in the immune system, as well as in the nervous system. Induces B-cells to aggregate and improves their viability in vitro. Cell surface receptor for PLXNB1 and PLXNB2 that plays an important role in cell-cell signaling (PubMed:20877282). Regulates GABAergic synapse development (By similarity). Promotes the development of inhibitory synapses in a PLXNB1-dependent manner (By similarity). Modulates the complexity and arborization of developing neurites in hippocampal neurons by activating PLXNB1 and interaction with PLXNB1 mediates activation of RHOA (PubMed:19788569). Promotes the migration of cerebellar granule cells (PubMed:16055703). Plays a role in the immune system; induces B-cells to aggregate and improves their viability (in vitro) (PubMed:8876214). Induces endothelial cell migration through the activation of PTK2B/PYK2, SRC, and the phosphatidylinositol 3-kinase-AKT pathway (PubMed:16055703).

研究领域 (Research Area)

Axon guidance;

图片 (Image Data)



Western blot detection of Semaphorin 4D/CD100 in Jurkat cell lysates using Semaphorin 4D/CD100 antibody(1:500 diluted).

注意事项 (Note)

For research use only .