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Anti-Semaphorin 6D Antibody

Catalog # AP61474

Product Information

Application	WB, IF/IC
Primary Accession	Q8NFY4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	119872

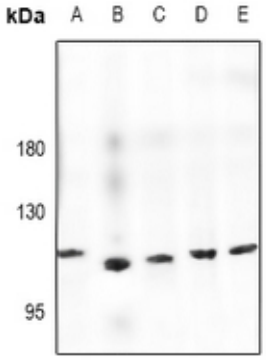
Additional Information

Gene ID	80031
Other Names	KIAA1479; Semaphorin-6D
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Semaphorin 6D. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

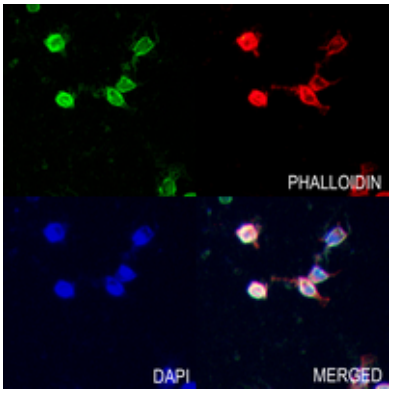
Protein Information

Name	SEMA6D (HGNC:16770)
Synonyms	KIAA1479
Function	Shows growth cone collapsing activity on dorsal root ganglion (DRG) neurons in vitro. May be a stop signal for the DRG neurons in their target areas, and possibly also for other neurons. May also be involved in the maintenance and remodeling of neuronal connections. Ligand of TREM2 with PLXNA1 as coreceptor in dendritic cells, plays a role in the generation of immune responses and skeletal homeostasis (By similarity).
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

Images



Western blot analysis of Semaphorin 6D expression in mouse embryo (A), HEK293T (B), HCT116 (C), Hela (D), PC12 (E) whole cell lysates. (Predicted band size: 119 kD; Observed band size: 120 kD)



Immunofluorescent analysis of Semaphorin 6D staining in PC3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).