

Plexin A1 Rabbit mAb

Catalog # AP77887

Product Information

Application	WB, IF, FC, ICC
Primary Accession	Q9UIW2
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Plexin A1
Purification	Affinity Chromatography
Calculated MW	211067

Additional Information

Gene ID	5361
Other Names	PLXNA1
Dilution	WB~~1/500-1/1000 IF~~1:50~200 FC~~1:10~50 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

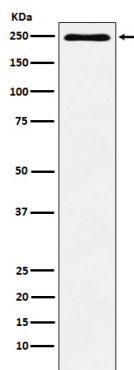
Protein Information

Name	PLXNA1 (HGNC:9099)
Synonyms	NOV, PLXN1
Function	Coreceptor for SEMA3A, SEMA3C, SEMA3F and SEMA6D. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm. Acts as coreceptor of TREM2 for SEMA6D in dendritic cells and is involved in the generation of immune responses and skeletal homeostasis.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P70206}; Single-pass type I membrane protein

Tissue Location

Detected in fetal brain, lung, liver and kidney.

Images



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