

KD-Validated Anti-Plexin A1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1665

Product Information

Application	WB
Primary Accession	Q9UIW2
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB1245
Calculated MW	211067
Gene Name	PLXNA1
Aliases	PLXNA1; Plexin A1; NOV; PLXN1; Semaphorin Receptor NOV; PLEXIN-A1; Plexin-A1; Plexin 1; DWOPNED; NOV P
Immunogen	A synthesized peptide derived from human Plexin A1

Additional Information

Gene ID	5361
Other Names	Plexin-A1, Semaphorin receptor NOV, PLXNA1 (HGNC:9099), NOV, PLXN1

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.

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