

Product Name: KD-Validated Plexin A1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00935

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
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; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 211.1kDa

Antigen Information

Gene Name	PLXNA1
Alternative Names	PLXNA1; Plexin A1; NOV; PLXN1; Semaphorin Receptor NOV; PLEXIN-A1; Plexin-A1; Plexin 1; DWOPNED; NOV
Gene ID	5361.0
SwissProt ID	Q9UIW2
Immunogen	A synthesized peptide derived from human Plexin A1

Background

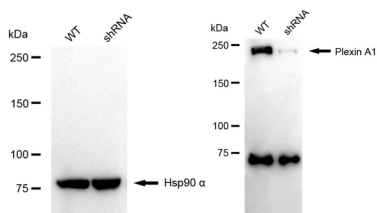
Predicted to enable semaphorin receptor activity. Predicted to be involved in several processes, including T cell activation via T cell receptor contact with antigen bound to MHC molecule on antigen presenting cell; nervous system development; and semaphorin-plexin signaling pathway. Predicted to act upstream of or within dichotomous subdivision of terminal units

involved in salivary gland branching; neuron projection extension; and regulation of smooth muscle cell migration. Located in cytosol and nucleoplasm. [provided by Alliance of Genome Resources, Jul 2025]

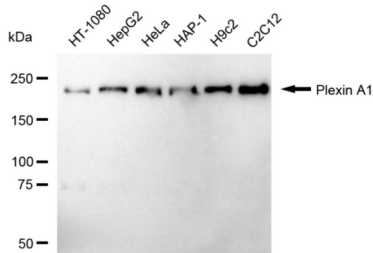
Research Area

Neuroscience

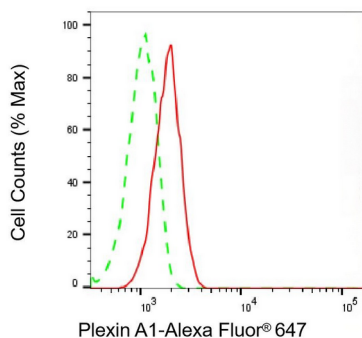
Image Data



Western blotting analysis using plexin A1 antibody (KVA00935). Plexin A1 expression in wild-type (WT) and plexin A1 (PLXNA1) shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Plexin A1 antibody (KVA00935, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Plexin A1 antibody (KVA00935). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Plexin A1 antibody (KVA00935, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of plexin A1 expression in C2C12 cells using plexin A1 antibody (KVA00935, 1:2,000). Green, isotype control; red, Plexin A1.