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PLXNB1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21403b

Product Information

Application	WB, E
Primary Accession	O43157
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52899
Calculated MW	232298

Additional Information

Gene ID	5364
Other Names	Plexin-B1, Semaphorin receptor SEP, PLXNB1, KIAA0407, PLXN5, SEP
Target/Specificity	This PLXNB1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1715-1749 amino acids from the C-terminal region of human PLXNB1.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PLXNB1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PLXNB1
Synonyms	KIAA0407, PLXN5, SEP
Function	Receptor for SEMA4D (PubMed: 19843518, PubMed:20877282, PubMed:21912513). Plays a role in GABAergic synapse development (By similarity). Mediates SEMA4A- and SEMA4D-dependent inhibitory synapse

	development (By similarity). Plays a role in RHOA activation and subsequent changes of the actin cytoskeleton (PubMed:12196628, PubMed:15210733). Plays a role in axon guidance, invasive growth and cell migration (PubMed:12198496).
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Secreted
Tissue Location	Highly expressed in fetal kidney, and at slightly lower levels in fetal brain, lung and liver

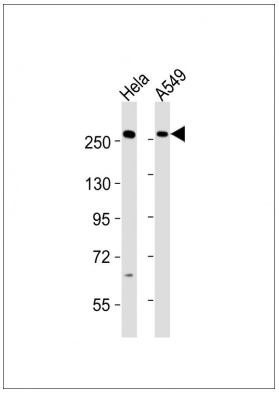
Background

Receptor for SEMA4D. Plays a role in RHOA activation and subsequent changes of the actin cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration.

References

Ishikawa K.,et al.DNA Res. 4:307-313(1997).
Tamagnone L.,et al.Cell 99:71-80(1999).
Tamagnone L.,et al.Cell 104:321-321(2001).
Maestrini E.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:674-678(1996).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



All lanes : Anti-PLXNB1 Antibody (C-term) at 1:2000 dilution Lane 1: Hela whole cell lysates Lane 2: A549 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 232 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.