

Rabbit Plexin B1 Polyclonal Antibody | anti-PLXNB1 antibody

Plexin B1 (C-terminal region) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71691	Rabbit	Human, Rat, Mouse	Immunocytochemistry, ELISA, Western Blot

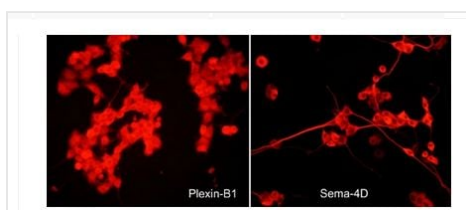
PRODUCT SYNONYMS

Plexin B1; Polyclonal Antibody; Plexin B1 (C-terminal region) Antibody; Plexin B1 (C-terminal region); anti-PLXNB1 antibody

PRODUCT SPECIFICATIONS

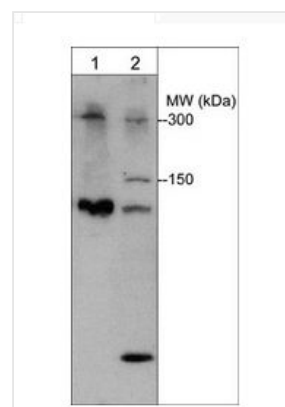
Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody was affinity purified using Plexin B1 (C-terminal region) peptide (without carrier). The antibody detects 300, 150, and 100kDa* bands on SDS-PAGE immunoblots of mouse liver and rat PC12 cells. These bands correspond to the full length and proteolytically processed forms of Plexin B1. In mouse liver, this antibody detects 300 and 100kDa forms of Plexin B1.
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-PLXNB1 antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	A synthetic peptide (coupled to KLH) corresponding to amino acid residues in the C-terminal region of human Plexin B1. This sequence has high homology with similar regions in rat and mouse Plexin B1, and has low homology to other plexin family members.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling in rat PC12 cells differentiated with NGF. The cells were probed with rabbit polyclonal Plexin B1 (PP1841) and mouse monoclonal Sema-4D (SM1881) antibodies, then the antibodies were detected using appropriate secondary antibody conjugated to DyLight 594.



WB (Western Blot)

Western blot of mouse liver (lane 1) and rat PC12 cells (lane 2). The blot was probed with rabbit polyclonal Plexin B1 antibody (PP1841) at a dilution of 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-PLXNB1 antibody	Plexins are a family of large integral membrane proteins that complex with neuropilins to form semaphorin co-receptors. The extracellular region of plexins contains a semaphorin domain, multiple glycine-rich motifs, and MET-related sequences. The cytoplasmic region contains a Sex/Plexin domain and putative tyrosine phosphorylation sites that mediate signal transduction after activation. In addition, Plexin B1 and B2 contain cleavage sites for subtilisin-like proprotein convertases. These cleavage sites may be important for regulating assembly of heterodimeric receptors or release of the extracellular domain. Plexin-B1 is expressed as a 300kDa precursor protein that can be cleaved into a 200kDa a-subunit and a 100kDa b-subunit. This plexin is the receptor for the class IV semaphorin, Sema-4D. Sema-4D activation of Plexin B1 recruits and activates c-Met, which can promote cell survival, migration, and angiogenesis.
References	Basile, J.R. et al. (2006) PNAS 103(24):9017. Artigiani, S. et al. (2003) J Biol. Chem. 278(12):10094. Tamagnone, L. et al. (1999) Cell 99:71.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118763993
NCBI GeneID	5364
UniProt Accession #	O43157; Q6NY20; Q9UIV7; Q9UJ92; Q9UJ93; A6H8Y2
Molecular Weight	214,411 Da
NCBI Official Full Name	PLXNB1 protein
NCBI Official Synonym Full Names	plexin B1
NCBI Official Symbol	PLXNB1
NCBI Official Synonym Symbols	SEP; PLXN5; PLEXIN-B1
NCBI Protein Information	plexin-B1
UniProt Protein Name	Plexin-B1
UniProt Gene Name	PLXNB1
UniProt Synonym Gene Names	KIAA0407; PLXN5; SEP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/plexin-b1-antibody-immunocytochemistry-western-blot-elisa/71691>