Plexin B1 (PLXNB1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Plexin B1 (PLXNB1), Polyclonal Antibody
Full Product Name	FITC-Linked Polyclonal Antibody to Plexin B1 (PLXNB1)
Product Gene Name	anti-PLXNB1 antibody
Product Synonym Names	PLXN5; SEP; Semaphorin receptor SEP
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: PLXNB1 (MBS2001951) FITC Conjugated Antibody: PLXNB1 (MBS2079690)
Matching Pairs	FITC Conjugated Antibody: PLXNB1 (MBS2079690) Immunogen: PLXNB1 (MBS2012294)
Molecular Weight	78,395 Da
OMIM	AB007867 mRNA
3D Structure	ModBase 3D Structure for O43157
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	PLXNB1 (Ala1780~Ile2042)
Conjugation	FITC
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2001951
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PLXNB1 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-PLXNB1 antibody	MBS2079690 is an antibody targeting PLXNB1. Also known as FITC-Linked Polyclonal Antibody to Plexin B1 (PLXNB1). Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PLXNB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLXNB1. It may not necessarily be applicable to this product.

NCBI GI #	194272180
NCBI GeneID	5364
NCBI Accession #	NP_001123554.1

UniProt Primary Accession #	O43157
UniProt Secondary Accession #	Q6NY20; Q9UIV7; Q9UJ92; Q9UJ93; A6H8Y2
UniProt Related Accession #	O43157
GenBank Nucleotide #	NM_001130082.2
NCBI Official Full Name	plexin-B1
NCBI Official Synonym Full Names	plexin B1
NCBI Official Symbol	PLXNB1
NCBI Official Synonym Symbols	SEP; PLXN5; PLEXIN-B1
UniProt Protein Name	Plexin-B1
UniProt Synonym Protein Names	Semaphorin receptor SEP
Protein Family	Plexin
UniProt Gene Name	PLXNB1
UniProt Synonym Gene Names	KIAA0407; PLXN5; SEP
NCBI Protein Information	plexin-B1
UniProt Comments for PLXNB1	PLXNB1: 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. Belongs to the plexin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Motility/polarity/chemotaxis; Receptor, misc. Chromosomal Location of Human Ortholog: 3p21.31 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: GTPase activating protein binding; GTPase activator activity; protein binding; receptor activity; semaphorin receptor activity; semaphorin receptor binding Biological Process: axon extension; negative regulation of cell adhesion; negative regulation of osteoblast proliferation; neurite morphogenesis; positive regulation of axonogenesis; positive regulation of GTPase activity; positive regulation of phosphoinositide 3-kinase cascade; regulation of cell migration; regulation of cell shape; regulation of cytoskeleton organization and biogenesis; regulation of GTPase activity; signal transduction
Research Articles on PLXNB1	**1.** results show that Sema4D/plexin-B1 signaling promotes the translocation of androgen receptor to the nucleus and thereby enhances AR transcriptional activity
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