



Human PLXNB1 peptide (DAG-P1040)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Plexin B1 is the transmembrane receptor for the class 4 semaphorin, SEMA4D. Plexin B1 activation plays a role in axon guidance, invasive growth and cell migration and has been reported to have additional roles in RHOA activation and subsequent changes of the actin cytoskeleton.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PLXNB1 plexin B1 [Homo sapiens (human)]
Official Symbol	PLXNB1
Synonyms	PLXNB1; plexin B1; SEP; PLXN5; PLEXIN-B1; plexin-B1; plexin 5; semaphorin receptor SEP;
Entrez Gene ID	5364
mRNA Refseq	NM_001130082.2
Protein Refseq	NP_001123554.1
UniProt ID	O43157
Chromosome Location	3p21.31

Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Sema4D in semaphorin signaling, organism-specific biosystem; Sema4D induced cell migration and growth-cone collapse, organism-specific biosystem; Sema4D mediated inhibition of cell attachment and migratio
Function	GTPase activating protein binding; protein binding; receptor activity; semaphorin receptor activity; semaphorin receptor activity; semaphorin receptor binding; transmembrane signaling receptor activity;