



Mouse PLXNA2 peptide (DAG-P1037)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the plexin-A family of semaphorin co-receptors. Semaphorins are a large family of secreted or membrane-bound proteins that mediate repulsive effects on axon pathfinding during nervous system development. A subset of semaphorins are recognized by plexin-A/neuropilin transmembrane receptor complexes, triggering a cellular signal transduction cascade that leads to axon repulsion. This plexin-A family member is thought to transduce signals from semaphorin-3A and -3C. [provided by RefSeq, Jul 2008]
Specificity	Detected in fetal brain.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the plexin family.Contains 4 IPT/TIG domains.Contains 1 Sema domain.
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	PLXNA2 plexin A2 [Homo sapiens (human)]
Official Symbol	PLXNA2
Synonyms	PLXNA2; plexin A2; OCT; PLXN2; plexin-A2; plexin 2; semaphorin receptor OCT; transmembrane protein OCT;
Entrez Gene ID	5362

mRNA Refseq	NM_025179.3
Protein Refseq	NP_079455.3
UniProt ID	O75051
Chromosome Location	1q32.2
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; CRMPs in Sema3A signaling, organism-specific biosystem; CRMPs in Sema3A signaling, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Other semaphorin interactions, organism-specific biosystem; SEMA3A-Plexin repulsion signaling by inhibiting Integrin
Function	protein binding; semaphorin receptor activity;