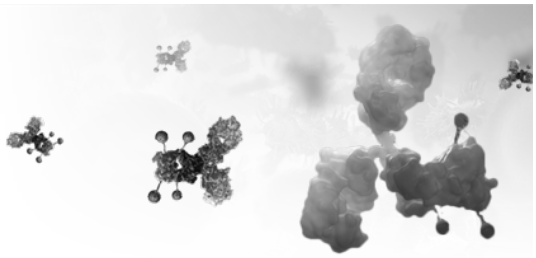

Human ROBO1 blocking peptide (CDBP2564)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ROBO1/DUTT1 (Internal) antibody
Antigen Description	Bilateral symmetric nervous systems have special midline structures that establish a partition between the two mirror image halves. Some axons project toward and across the midline in response to long-range chemoattractants emanating from the midline. The product of this gene is a member of the immunoglobulin gene superfamily and encodes an integral membrane protein that functions in axon guidance and neuronal precursor cell migration. This receptor is activated by SLIT-family proteins, resulting in a repulsive effect on glioma cell guidance in the developing brain. A related gene is located at an adjacent region on chromosome 3. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ROBO1 roundabout, axon guidance receptor, homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	ROBO1

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Synonyms	ROBO1; roundabout, axon guidance receptor, homolog 1 (Drosophila); roundabout (axon guidance receptor, Drosophila) homolog 1; roundabout homolog 1; DUTT1; FLJ21882; SAX3; deleted in U twenty twenty; MGC131599; MGC133277;
Entrez Gene ID	6091
mRNA Refseq	NM_001145845
Protein Refseq	NP_001139317
UniProt ID	Q9Y6N7
Chromosome Location	3p12.3
Pathway	Activation of Rac, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Inactivation of Cdc42 and Rac, organism-specific biosystem; Netrin-1 signaling, organism-specific biosystem;
Function	LRR domain binding; axon guidance receptor activity; identical protein binding; protein binding; protein heterodimerization activity; receptor activity;

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