



Mouse Robo1 blocking peptide (CDBP2565)

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 (mouse) 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	Mouse
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 homolog 1 (Drosophila) [Mus musculus]
Official Symbol	Robo1

Synonyms	ROBO1; roundabout homolog 1 (Drosophila); roundabout homolog 1; DUTT1; Gm310; AW494633; AW742721;
Entrez Gene ID	19876
mRNA Refseq	NM_019413
Protein Refseq	NP_062286
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;