



Mouse DTNBP1 peptide (DAG-P0330)

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

PRODUCT INFORMATION

Antigen Description	The BLOC-1 complex is required for normal biogenesis of lysosome-related organelles, such as platelet dense granules and melanosomes. Plays a role in intracellular vesicle trafficking. Plays a role in synaptic vesicle trafficking and in neurotransmitter release. May be required for normal dopamine homeostasis in the cerebral cortex, hippocampus, and hypothalamus. Plays a role in the regulation of cell surface exposure of DRD2. Contributes to the regulation of dopamine signaling. May play a role in actin cytoskeleton reorganization and neurite outgrowth. May modulate MAPK8 phosphorylation.
Specificity	Detected in brain, in neurons and in neuropil. Detected in dentate gyrus and in pyramidal cells of hippocampus CA2 and CA3 (at protein level).
Conjugate	Unconjugated
Sequence Similarities	Belongs to the dysbindin family.
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	Dtnbp1 dystrobrevin binding protein 1 [Mus musculus (house mouse)]
Official Symbol	DTNBP1
Synonyms	DTNBP1; dystrobrevin binding protein 1; sdy; Bloc1s8; AW048963; dysbindin; 5430437B18Rik; dysbindin; sandy; dysbindin-1; BLOC-1 subunit 8; HPS7 protein homolog; dystrobrevin-binding protein 1; hermansky-Pudlak syndrome 7 protein homolog; biogenesis of lysosome-related

organelles complex 1 subunit 8;

Entrez Gene ID	94245
mRNA Refseq	NM_025772.4
Protein Refseq	NP_080048.2
UniProt ID	Q91WZ8
Chromosome Location	13 A5; 13 21.73 cM
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem;
Function	protein binding;