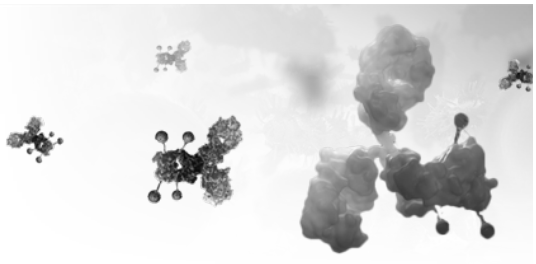

Mouse NTRK2 peptide (DAG-P1183)

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

PRODUCT INFORMATION

Antigen Description	Receptor for brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5 but not nerve growth factor (NGF). Involved in the development and/or maintenance of the nervous system. This is a tyrosine-protein kinase receptor. Known substrates for the TRK receptors are SHC1, PI-3 kinase, and PLC-gamma-1.
Specificity	Isoform TrkB is widely expressed, mainly in the nervous tissue. In the CNS, expression is observed in the cerebral cortex, hippocampus, thalamus, choroid plexus, granular layer of the cerebellum, brain stem, and spinal cord. In the peripheral nervous syst
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily.Contains 2 Ig-like C2-type (immunoglobulin-like) domains.Contains 2 LRR (leucine-rich) repeats.Contains 1 LRRCT domain.Contains 1 LRRNT domain.Contains 1 prot
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	Ntrk2 neurotrophic tyrosine kinase, receptor, type 2 [Mus musculus (house mouse)]
Official Symbol	NTRK2
Synonyms	NTRK2; neurotrophic tyrosine kinase, receptor, type 2; Tkrb; trkB; trk-B; GP145-TrkB/GP95-TrkB; BDNF/NT-3 growth factors receptor; trkB tyrosine kinase; neurotrophic tyrosine receptor kinase type 2;

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Entrez Gene ID	18212
mRNA Refseq	NM_001025074.2
Protein Refseq	NP_001020245.1
UniProt ID	P15209
Chromosome Location	13 B1-B2; 13 31.2 cM
Pathway	Activation of TRKA receptors, organism-specific biosystem; Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; NGF signalling via TRKA from the plasma membrane, organism-specific biosystem; NGF-independant TRKA activation, organism-specific biosystem; Neurotrophin signaling pathway, organism-specific biosystem; Neurotrophin signaling pathway, conserved biosystem; Signal Transdu
Function	ATP binding; brain-derived neurotrophic factor binding; brain-derived neurotrophic factor binding; brain-derived neurotrophic factor-activated receptor activity; brain-derived neurotrophic factor-activated receptor activity; ephrin receptor binding; kinas

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