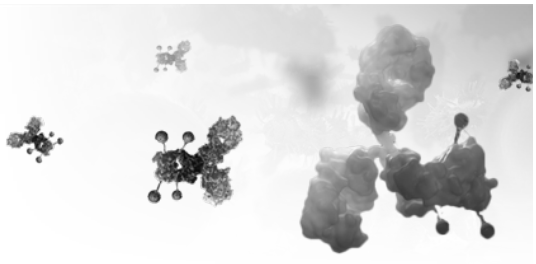

NTRK2 blocking peptide (DAG-P2025)

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 neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternate transcriptional splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
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
Purity	> 90 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	BL
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
Buffer	Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2
Preservative	0.02% Thimerosal
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2

GENE INFORMATION

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Gene Name	NTRK2 neurotrophic tyrosine kinase, receptor, type 2 [Homo sapiens (human)]
Official Symbol	NTRK2
Synonyms	NTRK2; neurotrophic tyrosine kinase, receptor, type 2; TRKB; trk-B; GP145-TrkB; BDNF/NT-3 growth factors receptor; trkB tyrosine kinase; tyrosine kinase receptor B; tropomyosin-related kinase B; BDNF-tropomyosine receptor kinase B; neurotrophic tyrosine receptor kinase type 2;
Entrez Gene ID	4915
mRNA Refseq	NM_001007097.1
Protein Refseq	NP_001007098.1
UniProt ID	Q16620
Chromosome Location	9q22.1
Pathway	Activation of TRKA receptors, organism-specific biosystem; Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; BDNF signaling pathway, organism-specific 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; Neurotrophic factor-mediated Trk receptor signaling, organism-specific bios
Function	ATP binding; brain-derived neurotrophic factor binding; brain-derived neurotrophic factor-activated receptor activity; ephrin receptor binding; neurotrophin binding; neurotrophin binding; protein homodimerization activity;

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