NTRK3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NTRK3, Polyclonal Antibody
Full Product Name	NTRK3 (N-Term) (Mouse) Rabbit pAb
Product Gene Name	anti-NTRK3 antibody
Product Synonym Names	NT-3 growth factor receptor; GP145-TrkC; Trk-C; Neurotrophic tyrosine kinase receptor type 3; TrkC tyrosine kinase; Ntrk3; TrkC
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB34849
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
3D Structure	ModBase 3D Structure for Q6VNS1
Immunogen	This mouse Ntrk3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 161-188 amino acids from the N-terminal region of mouse Ntrk3.
Cellular Localization	Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NTRK3 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-NTRK3 antibody	WB: 1:1000 IHC: 1:10-50
Related Product Information for anti-NTRK3 antibody	MBS8552390 is an antibody targeting NTRK3. Also known as NTRK3 (N-Term) (Mouse) Rabbit pAb. Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-NTRK3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NTRK3. It may not necessarily be applicable to this product.

NCBI GI #	33413412
NCBI GeneID	18213
NCBI Accession #	NP_032772.3
UniProt Primary Accession #	Q6VNS1
UniProt Related Accession #	Q6VNS1

GenBank Nucleotide #	NP_032772.3
NCBI Official Full Name	NT-3 growth factor receptor isoform a
NCBI Official Synonym Full Names	neurotrophic tyrosine kinase, receptor, type 3
NCBI Official Symbol	Ntrk3
NCBI Official Synonym Symbols	TrkC; AW125844; Ntrk3_tv3
UniProt Protein Name	NT-3 growth factor receptor
UniProt Synonym Protein Names	GP145-TrkC; Trk-C; Neurotrophic tyrosine kinase receptor type 3; TrkC tyrosine kinase
Protein Family	NT-3 growth factor receptor
UniProt Gene Name	Ntrk3
UniProt Synonym Gene Names	TrkC; Trk-C
UniProt Entry Name	NTRK3_MOUSE
NCBI Protein Information	NT-3 growth factor receptor
UniProt Comments for NTRK3	Function: Receptor for neurotrophin-3 (NT-3). This is a tyrosine-protein kinase receptor. Known substrates for the Trk receptors are SHC1, PI 3-kinase, and PLC-gamma-1 By similarity. Catalytic activity: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. Subunit structure: Exists in a dynamic equilibrium between monomeric (low affinity) and dimeric (high affinity) structures. Binds SH2B2. Interacts with SQSTM1 and KIDINS220 By similarity. Subcellular location: Membrane; Single-pass type I membrane protein By similarity. Tissue specificity: Isoform 2 expression is restricted to specific areas in adult brain. Isoform 3 transcripts are readily detected early during embryogenesis and are expressed predominantly in adult brain and gonads. Ref.2 Post-translational modification: Ligand-mediated auto-phosphorylation By similarity. 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 protein kinase domain.
Research Articles on NTRK3	**1.** TrkC signals to the podocyte actin cytoskeleton to induce migration by phosphorylating WAVE2 Erk dependently. This signaling mechanism may be important for TrkC-mediated cytoskeletal dynamics in podocyte disease.
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