10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Ntrk3 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AW5393

Product Information

Application	WB
Primary Accession	Q6VNS1
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	92760
Isotype	IgG1,k
Antigen Source	HUMAN

Additional Information

Gene ID	18213
Other Names	NT-3 growth factor receptor, GP145-TrkC, Trk-C, Neurotrophic tyrosine kinase receptor type 3, TrkC tyrosine kinase, Ntrk3, TrkC
Dilution	WB~~1:1000
Target/Specificity	This Ntrk3 antibody is generated from a mouse immunized with a recombinant protein of human Ntrk3.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Ntrk3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Ntrk3
Synonyms	TrkC
Function	Receptor tyrosine kinase involved in nervous system and probably heart development. Upon binding of its ligand NTF3/neurotrophin-3, NTRK3 autophosphorylates and activates different signaling pathways, including the phosphatidylinositol 3-kinase/AKT and the MAPK pathways, that control cell

	survival and differentiation.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	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.

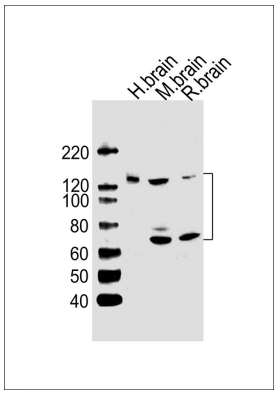
Background

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).

References

Yamauchi J.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:14421-14426(2003).
Menn B.,et al.J. Comp. Neurol. 401:47-64(1998).
Ballif B.A.,et al.J. Proteome Res. 7:311-318(2008).

Images



All lanes : Anti-Ntrk3 Antibody at 1:1000 dilution Lane 1: human brain lysates Lane 2: mouse brain lysates Lane 3: rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 93 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.