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Ntrk3 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8448b

Product Information

Application	WB, E
Primary Accession	Q6VNS1
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Chicken
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	1454CT394.87.35
Calculated MW	92760
Antigen Region	1-322

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
Target/Specificity	This Ntrk3 antibody is generated from a mouse immunized with a recombinant protein of human Ntrk3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.

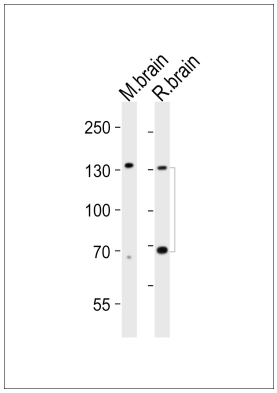
Background

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).

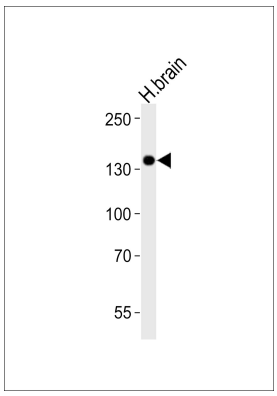
References

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



Western blot analysis of lysates from mouse brain, rat brain tissue lysate (from left to right), using Ntrk3 Antibody(Cat. #AM8448b). AM8448b was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 20µg per lane.



Western blot analysis of lysate from human brain tissue lysate, using Ntrk3 Antibody(Cat. #AM8448b). AM8448b was diluted at 1:1000. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysate at 20µg.

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