

# Ntrk3 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AW5393

## Product Information

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Application	WB
Primary Accession	<a href="#">Q6VNS1</a>
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	92760
Isotype	IgG1,k
Antigen Source	HUMAN

## Additional Information

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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

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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

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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

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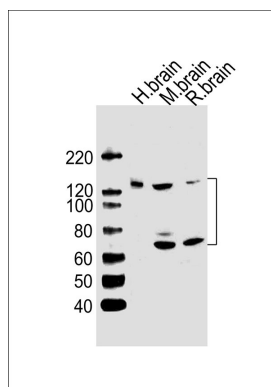
Yamauchi J.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:14421-14426(2003).

Menn B.,et al.J. Comp. Neurol. 401:47-64(1998).

Ballif B.A.,et al.J. Proteome Res. 7:311-318(2008).

## Images

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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'.