

# Ntrk3 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AM8448b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q6VNS1</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1,k
<b>Clone Names</b>	1454CT394.87.35
<b>Calculated MW</b>	92760
<b>Antigen Region</b>	1-322

## Additional Information

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<b>Gene ID</b>	18213
<b>Other Names</b>	NT-3 growth factor receptor, GP145-TrkC, Trk-C, Neurotrophic tyrosine kinase receptor type 3, TrkC tyrosine kinase, Ntrk3, TrkC
<b>Target/Specificity</b>	This Ntrk3 antibody is generated from a mouse immunized with a recombinant protein of human Ntrk3.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	Ntrk3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Ntrk3
<b>Synonyms</b>	TrkC
<b>Function</b>	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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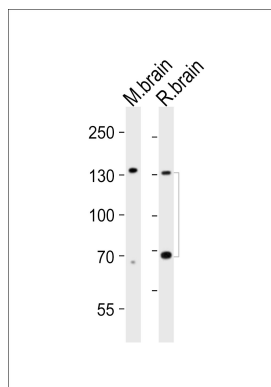
Yamauchi J.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:14421-14426(2003).

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

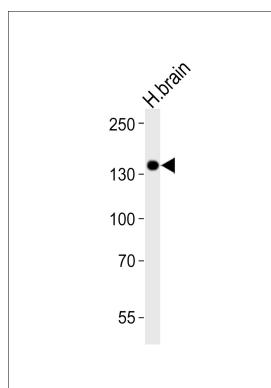
Ballif B.A.,et al.J. Proteome Res. 7:311-318(2008).

## Images

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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'.