

**Ntrk3 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8448b**

**Specification**

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**Ntrk3 Antibody - Product Information**

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

**Ntrk3 Antibody - 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.

**Ntrk3 Antibody - 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

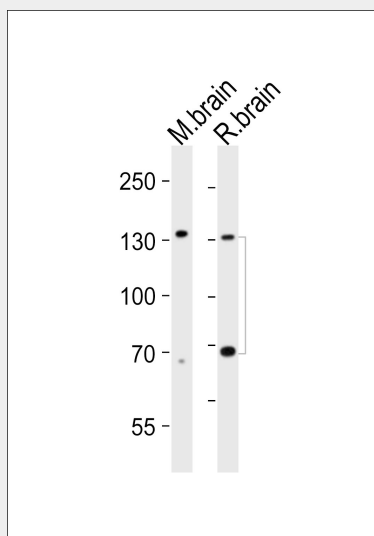
Isoform 2 expression is restricted to specific areas in adult brain. Isoform 3 transcripts are readily detected early during embryogenesis and are expressed predominantly in adult brain and gonads.

### Ntrk3 Antibody - Protocols

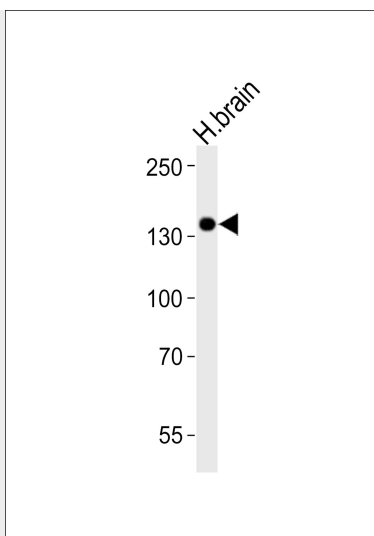
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Ntrk3 Antibody - 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 20 µg.

#### **Ntrk3 Antibody - 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).

#### **Ntrk3 Antibody - 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).