10320 Camino Santa Fe, Suite G
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Ntrk3 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8448b

Specification

Ntrk3 Antibody - Product Information

Application	**WB,E**
Primary Accession	Q6VNS1
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

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

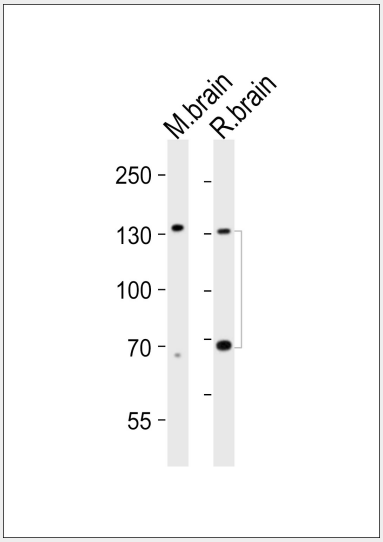
Tissue Location
Isoform 2 expression is restricted to specific areas in adult brain. Isoform 3 transcripts are readily detected early during embryogenesis and are expressed predominantly in adult brain and gonads.

Ntrk3 Antibody - Protocols

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

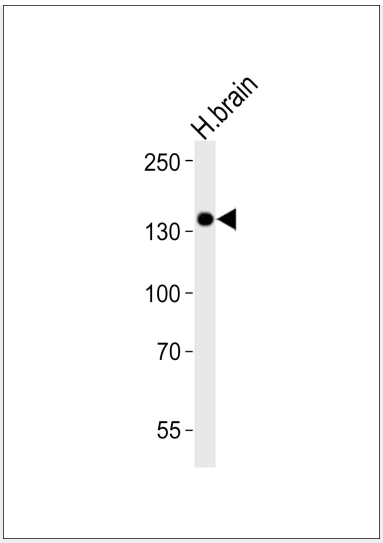
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

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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.

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).