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Ntrk3 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AW5393

Specification

Ntrk3 Antibody - Product Information

Application	**WB,E**
Primary Accession	O6VNS1
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**H=93,56,68;M=93,56,68 KDa**
Isotype	**IgG1,k**
Antigen Source	**HUMAN**

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

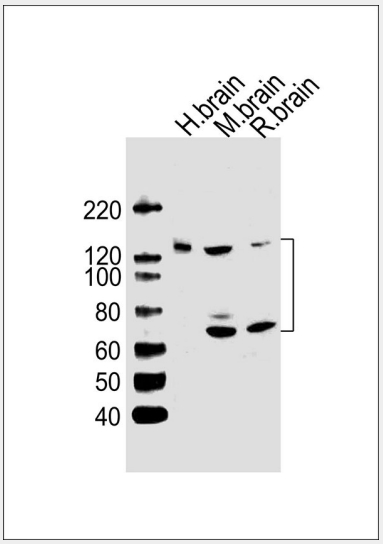
Dilution
WB~~1:1000

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.



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.

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).

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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