

**Mouse Ntrk3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14627a****Specification**

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**Mouse Ntrk3 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q6VNS1</a>
Other Accession	<a href="#">Q03351</a> , <a href="#">NP_032772.3</a> , <a href="#">NP_877961.1</a>
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	92760
Antigen Region	161-188

**Mouse Ntrk3 Antibody (N-term) - 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 Mouse Ntrk3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 161-188 amino acids from the N-terminal region of mouse Ntrk3.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

Mouse Ntrk3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Ntrk3 Antibody (N-term) - 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

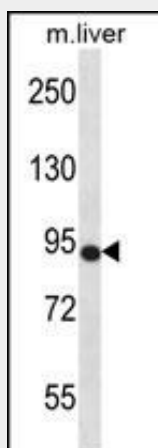
Isoform 2 expression is restricted to specific areas in adult brain. Isoform 3 transcripts are readily detected early during embryogenesis and are expressed predominantly in adult brain and gonads.

### Mouse Ntrk3 Antibody (N-term) - Protocols

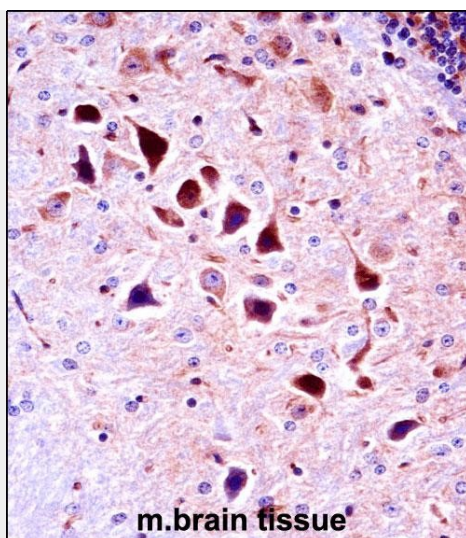
Provided below are standard protocols that you may find useful for product applications.

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

### Mouse Ntrk3 Antibody (N-term) - Images



Mouse Ntrk3 Antibody (N-term) (Cat. #AP14627a) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the Ntrk3 antibody detected the Ntrk3 protein (arrow).



Mouse Ntrk3 Antibody (N-term) (AP14627a) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Ntrk3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **Mouse Ntrk3 Antibody (N-term) - Background**

Ntrk3 is a 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).

#### **Mouse Ntrk3 Antibody (N-term) - References**

Gascon, E., et al. J. Neurosci. 30(37):12414-12423(2010)  
Nikoletopoulou, V., et al. Nature 467(7311):59-63(2010)  
Honma, Y., et al. Development 137(14):2319-2328(2010)  
Huang, T., et al. J Mol Cell Biol 2(3):152-163(2010)  
Li, W., et al. BMC Biol. 8, 86 (2010) :