

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

**Specification**

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

|                   |  |
|-------------------|--|
| Application       | WB, IHC-P,E  |
| Primary Accession | <a href="#">Q6VNS1</a>   |
| Other Accession   | <a href="#">Q03351</a> ,<br><a href="#">NP_032772.3</a> ,<br><a href="#">NP_877961.1</a> |
| Reactivity        | Mouse  |
| Predicted         | Rat  |
| Host              | Rabbit   |
| Clonality         | Polyclonal   |
| Isotype           | Rabbit Ig  |
| 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**

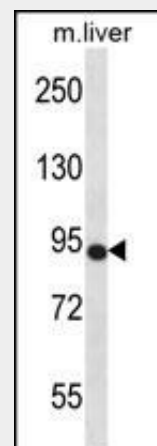
WB~~1:1000  
IHC-P~~1:10~50

**Format**

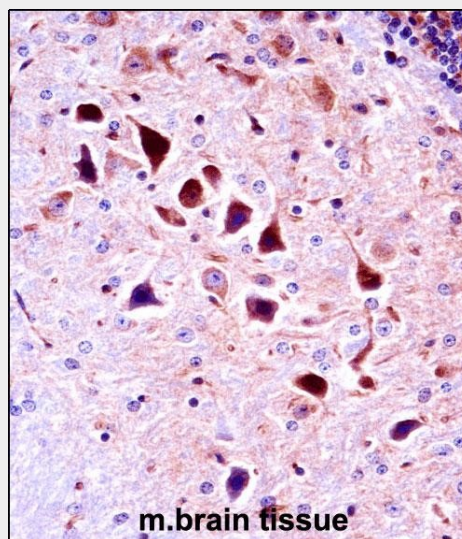
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2



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.

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) - 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) :

**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](#)