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Mouse Ntrk3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14627a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6VNS1
Other Accession	Q03351, NP_032772.3, NP_877961.1
Reactivity	Mouse
Predicted	Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34849
Calculated MW	92760
Antigen Region	161-188

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~~1:100~500 E~~Use at an assay dependent concentration.
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.

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.

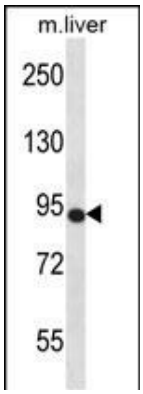
Background

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).

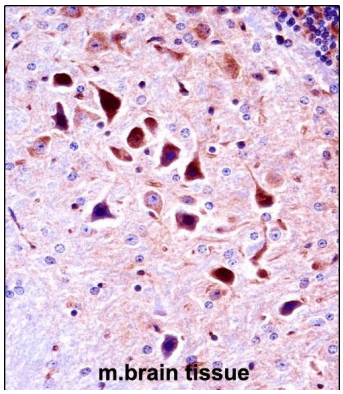
References

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Honma, Y., et al. Development 137(14):2319-2328(2010)
Huang, T., et al. J Mol Cell Biol 2(3):152-163(2010)
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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.