

NTRK3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21038a

Specification

NTRK3 Antibody (Center) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW FC, WB,E <u>O16288</u> <u>P24786</u>, <u>O5IFJ9</u> Human Monkey, Pig Rabbit Polyclonal Rabbit IgG 94428

NTRK3 Antibody (Center) - Additional Information

Gene ID 4916

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 rabbit immunized with a KLH conjugated synthetic peptide between 393-426 amino acids from the Central region of human NTRK3.

Dilution FC~~1:25 WB~~1:1000 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

NTRK3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NTRK3 Antibody (Center) - 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

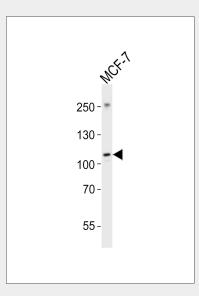
Widely expressed but mainly in nervous tissue. Isoform 2 is expressed at higher levels in adult brain than in fetal brain

NTRK3 Antibody (Center) - Protocols

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

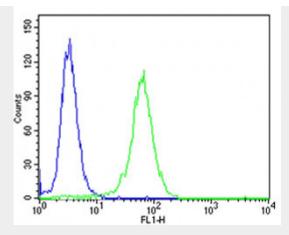
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

NTRK3 Antibody (Center) - Images



Western blot analysis of lysate from MCF-7 cell line, using NTRK3 Antibody (Center)(Cat. #AP21038a). AP21038a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.





Flow cytometric analysis of NIH-3T3 cells using NTRK3 Antibody (Center)(green, Cat#AP21038a) compared to an isotype control of rabbit IgG(blue). AP21038a was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

NTRK3 Antibody (Center) - 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 PLCG1. The different isoforms do not have identical signaling properties.

NTRK3 Antibody (Center) - References

McGregor L.M., et al. Genomics 22:267-272(1994). Shelton D.L., et al.J. Neurosci. 15:477-491(1995). Ichaso N., et al.Oncogene 17:1871-1875(1998). Ultsch M.H., et al.J. Mol. Biol. 290:149-159(1999). Greenman C., et al.Nature 446:153-158(2007).