

NTRK3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21038a

Product Information

Application WB, FC, E **Primary Accession** Q16288

Reactivity Human, Rat, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB51221
Calculated MW 94428

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 WB~~1:1000 FC~~1:25 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.

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

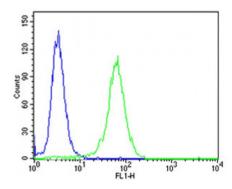
Background

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.

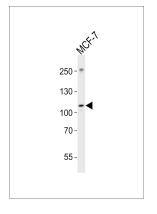
References

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).

Images



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.



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.

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