

Product Information

Recombinant Anti-Human ntrk2 Antibody Fab Fragment

Cat. No.: **MOM-18515-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment binds selectively to Human NTRK2, expressed in E. coli

Antigen Description

Receptor for brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5 but not nerve growth factor (NGF). Involved in the development and/or maintenance of the nervous system. This is a tyrosine-protein kinase receptor. Known substrates for the TRK receptors are SHC1, PI-3 kinase, and PLC-gamma-1.

Specific Activity

Tested positive against native antigen.

Target

NTRK2

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95.0% as determined by analysis by SDS-PAGE.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[NTRK2 neurotrophic tyrosine kinase, receptor, type 2 \[Homo sapiens \]](#)

Official Symbol

NTRK2

Synonyms

NTRK2; neurotrophic tyrosine kinase, receptor, type 2; BDNF/NT-3 growth factors receptor; TRKB; trkB tyrosine kinase; tyrosine kinase receptor B; tropomyosin-related kinase B; BDNF-tropomyosine receptor kinase B; trk-B; GP145-TrkB

Gene ID

[4915](#)

mRNA Refseq

[NM_001007097](#)

Protein Refseq

[NP_001007098](#)

MIM

[600456](#)

UniProt ID

Q16620

Chromosome Location

9q22.1

Pathway

Activation of TRKA receptors, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; NGF signalling via TRKA from the plasma membrane, organism-specific biosystem; NGF-independant TRKA activation, organism-specific biosystem; Neurotrophic factor-mediated Trk receptor signaling, organism-specific biosystem; Neurotrophin signaling pathway, organism-specific biosystem;

Function

ATP binding; brain-derived neurotrophic factor binding; brain-derived neurotrophic factor-activated receptor activity; neurotrophin-3 binding; neurotrophin-4/5 binding; nucleotide binding; protein homodimerization activity; receptor activity;