SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

Recombinant Anti-Human ntrk2 Antibody scFv Fragment

Cat. No.: **MOM-18515-S(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody scFv Fragment specifically binds 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

scFv

Expression Host

E. coli

Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

At -20°C for one year.

ANTIGEN GENE INFOMATION

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;

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