BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Trk A Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1232
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant extracellular fragment of human Trk A (aa33-423) fused with hIgGFc tag expressed in HEK293 cell line.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	High affinity nerve growth factor receptor
Synonyms	NTRK1; MTC; TRK; TRKA; High affinity nerve growth factor receptor; Neurotrophic tyrosine kinase receptor type 1; TRK1-transforming tyrosine kinase protein; Tropomyosin-related kinase A; Tyrosine kinase receptor; Tyrosine kinase receptor A;

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTKR) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

Recommended Dilution

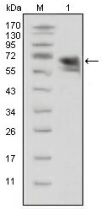
ELISA: 1:10000

IF: 1:200 - 1:1000

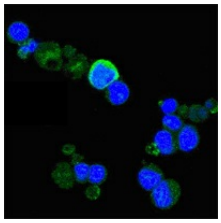
WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using Trk A Monoclonal antibody against extracellular domain of human Trk A (aa33-423).



Confocal immunofluorescence analysis of PC-12 cells using Trk A Monoclonal antibody (green), showing membrane and cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com