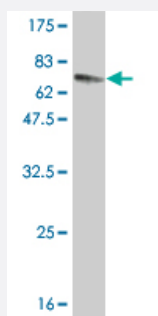


NTRK2 monoclonal antibody (M01), clone 4D3-F10

Catalog # H00004915-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (78.21 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant NTRK2.

Immunogen

NTRK2 (AAH31835, 1 a.a. ~ 477 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MSSWIRWHGPAMARLWGFCWL VVGFWRAAFACPTSCCKCSASRWCSDPSPGVAFPRLEPNS
VDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTVD SGLKFVAHKAFLKNSNLQHINFTRNKLTSLSR
KHFRHLDLSELILVGNPFTCSCDIMWIKTLQEAKSSPD TQDLYCLNESSKNIPLANLQIPNCGLPSA
NLAAPNLVVEGKSITLSCSVAGDPVPMYWDVGNLVSKHMNETSHTQGSLRITNISSDDSGKQIS
CVAENLVGEDQDSVNLT VHFAPTITFLESPTSDHHWCIPFTVKGNPKPALQWFYNGAILNESKYIC
TKIHVTNHTEYHGCLQLDNPTHMNGDYTLIAKNEYGKDEKQISAHFMGWPGIDG GANPNYPDVIY
EDYGTAANDIGD TTNRSEIPSTDVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLARHSKFG
MKG FVL FHKIPLDG

Host

Mouse

Reactivity

Human

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (78.21 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — NTRK2**Entrez GeneID** [4915](#)**GeneBank Accession#** [BC031835](#)**Protein Accession#** [AAH31835](#)**Gene Name** NTRK2**Gene Alias** GP145-TrkB, TRKB**Gene Description** neurotrophic tyrosine kinase, receptor, type 2**Omim ID** [600456](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternate transcriptional splice variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations BDNF/NT-3 growth factors receptor|OTTHUMP00000021573|OTTHUMP00000021574|OTTHUMP00000021575|OTTHUMP00000021576|OTTHUMP00000021577|tyrosine kinase receptor B

Publication Reference

- [Peptide-mediated targeting of liposomes to TrkB receptor-expressing cells.](#)

Ranjan S, Sood R, Dudas J, Glueckert R, Schrott-Fischer A, Roy S, Pyykkö I, Kinnunen PK.

International Journal of Nanomedicine 2012 Jul; 7:3475.

Application: Func, Mouse, RAW264 cells

- [Hypoxia-inducible Factor-1 \(HIF-1\) Is a Transcriptional Activator of the TrkB Neurotrophin Receptor Gene.](#)

Martens LK, Kirschner KM, Warnecke C, Scholz H.

The Journal of Biological Chemistry 2007 Mar; 282(19):14379.

Application: WB, Human, Neuroblastoma Kelly cells

Pathway

- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Avoidance Learning](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Depressive Disorder](#)

- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Obsessive-Compulsive Disorder](#)
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- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Social Perception](#)
- [Stress Disorders](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)