10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NTRK2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NTRK2.
Catalog # AT3122a

Product Information

Application	WB
Primary Accession	Q16620
Other Accession	BC031835
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4D3-F10
Calculated MW	91999

Additional Information

Gene ID	4915
Other Names	BDNF/NT-3 growth factors receptor, GP145-TrkB, Trk-B, Neurotrophic tyrosine kinase receptor type 2, TrkB tyrosine kinase, Tropomyosin-related kinase B, NTRK2, TRKB
Target/Specificity	NTRK2 (AAH31835, 1 a.a. ~ 477 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NTRK2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

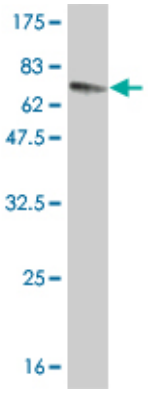
Background

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.

References

1.Peptide-mediated targeting of liposomes to TrkB receptor-expressing cells.Ranjan S, Sood R, Dudas J, Glueckert R, Schrott-Fischer A, Roy S, Pyykko I, Kinnunen PK.Int J Nanomedicine. 2012;7:3475-85. Epub 2012 Jul 6.2.Hypoxia-inducible Factor-1 (HIF-1) Is a Transcriptional Activator of the TrkB Neurotrophin Receptor Gene.Martens LK, Kirschner KM, Warnecke C, Scholz H.J Biol Chem. 2007 May 11;282(19):14379-88. Epub 2007 Mar 20.

Images



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

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