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

NTRK2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full-length recombinant NTRK2.
Catalog # AT3123a

Product Information

Application	WB, E
Primary Accession	Q16620
Other Accession	BC031835
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a kappa
Clone Names	3D12
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 E~~N/A
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) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

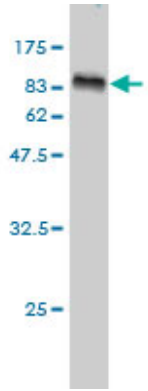
Background

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.

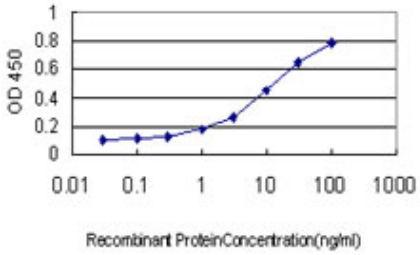
References

1.Pharmacological characterization of six trkB antibodies reveals a novel class of functional agents for the study of the BDNF receptor.Cazorla M, Arrang JM, Premont J.Br J Pharmacol. 2011 Feb;162(4):947-60. doi: 10.1111/ j.1476-5381. 2010.01094.x.

Images



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



Detection limit for recombinant GST tagged NTRK2 is approximately 0.3ng/ml as a capture antibody.

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