

**NTRK2 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a full length recombinant NTRK2.****Catalog # AT3122a****Specification**

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**NTRK2 Antibody (monoclonal) (M01) - Product Information**

Application	WB
Primary Accession	<a href="#">Q16620</a>
Other Accession	<a href="#">BC031835</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	91999

**NTRK2 Antibody (monoclonal) (M01) - 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.

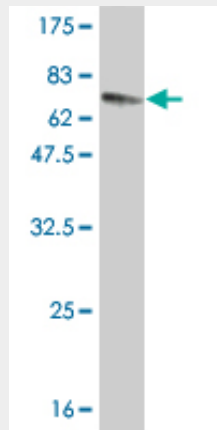
**NTRK2 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **NTRK2 Antibody (monoclonal) (M01) - Images**



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

#### **NTRK2 Antibody (monoclonal) (M01) - 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.

#### **NTRK2 Antibody (monoclonal) (M01) - 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.