

## NTRK2 Monoclonal Antibody

<b>Catalog No.</b>	A0487	<b>Category</b>	Monoclonal Antibodies
<b>Applications</b>	WB, IHC, FC	<b>Observed MW</b>	140kDa
<b>Cross-reactivity</b>	Human	<b>Calculated MW</b>	35kDa/53kDa/59kDa/60kDa/81kDa/91kDa/93kDa

### Immunogen Information

<b>Immunogen</b>	A synthetic peptide of human NTRK2
<b>Gene ID</b>	4915
<b>Swiss prot</b>	Q16620
<b>Synonyms</b>	GP145-TrkB;OBHD;trk-B;TRKB;GP145-TrkB;trk-B;TRKB

### Product information

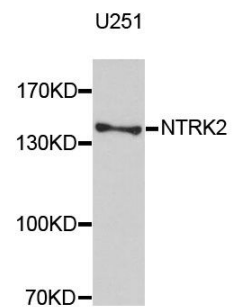
<b>Source</b>	Mouse
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at 4°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, pH7.3.

### 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. Alternative splicing results in multiple transcript variants.

### Recommended Dilutions

WB	1:500 - 1:1000
IHC	1:20 - 1:50
FC	1:20 - 1:50



Western blot analysis of extracts of U-251MG cells, using NTRK2 antibody (A0487) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.