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**Product Name: NTRK2 Mouse Monoclonal Antibody****Catalog #: AMM81561**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	92kDa

**Antigen Information**

<b>Gene Name</b>	NTRK2
<b>Alternative Names</b>	TRKB; trk-B; GP145-TrkB
<b>Gene ID</b>	4915.0
<b>SwissProt ID</b>	Q16620
<b>Immunogen</b>	Purified recombinant fragment of human NTRK2 (AA: 207-339) expressed in E. Coli.

**Background**

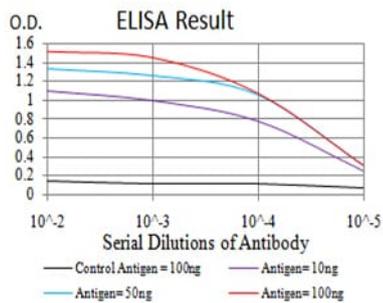
This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternative

splicing results in multiple transcript variants.

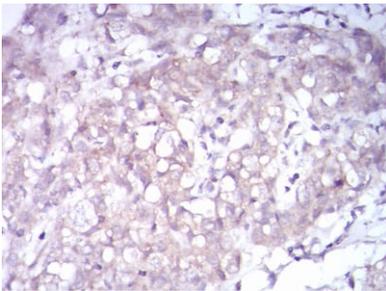
## Research Area

PI3K-Akt signaling pathway, MAPK signaling pathway, Hippo signaling pathway

## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using NTRK2 mouse mAb with DAB staining.