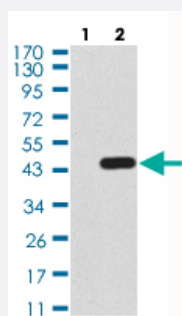


NTRK2 monoclonal antibody, clone 10B6C4

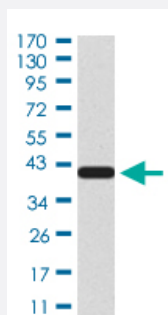
Catalog # MAB17289 Size 100 ug

Applications



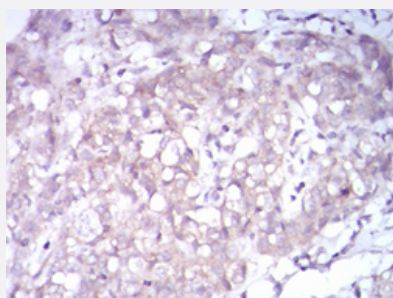
Western Blot

Western Blot analysis of (1) HEK293 cells, (2) NTRK2-hlgGfC transfected HEK293 cell lysate.



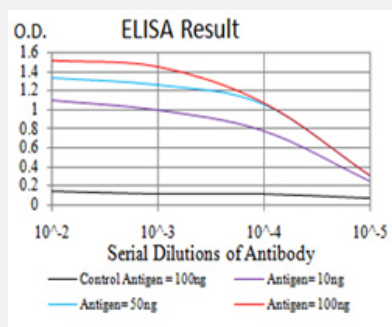
Western Blot

Western Blot analysis of human NTRK2 recombinant protein.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of breast cancer tissues with DAB staining.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of NTRK2 monoclonal antibody.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human NTRK2.
Immunogen	Recombinant protein corresponding to amino acids 207-339 of human NTRK2 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	92
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

• Western Blot

Western Blot analysis of (1) HEK293 cells, (2) NTRK2-hlgGfC transfected HEK293 cell lysate.

- Western Blot

Western Blot analysis of human NTRK2 recombinant protein.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of breast cancer tissues with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of NTRK2 monoclonal antibody.

Gene Info — NTRK2

Entrez GeneID [4915](#)

Gene Name NTRK2

Gene Alias GP145-TrkB, TRKB

Gene Description neurotrophic tyrosine kinase, receptor, type 2

Omim ID [600456](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations BDNF/NT-3 growth factors receptor|OTTHUMP00000021573|OTTHUMP00000021574|OTTHUMP00000021575|OTTHUMP00000021576|OTTHUMP00000021577|tyrosine kinase receptor B

Pathway

- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Alcoholism](#)

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Avoidance Learning](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Obsessive-Compulsive Disorder](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Social Perception](#)
- [Stress Disorders](#)

- [Tobacco Use Disorder](#)
- [Weight Gain](#)