

NTRK1/NTRK2/NTRK3 monoclonal antibody, clone HHH-14

Catalog # MAB20811 Size 100 uL

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human NTRK1/NTRK2/NTRK3.
Immunogen	A synthetic peptide corresponding to human NTRK1/NTRK2/NTRK3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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
- Immunohistochemistry
- Immunocytochemistry

- Immunofluorescence

Gene Info — NTRK1

Entrez GeneID	4914
Protein Accession#	P04629;Q16620;Q16288
Gene Name	NTRK1
Gene Alias	DKFZp78114186, MTC, TRK, TRK1, TRKA, p140-TrkA
Gene Description	neurotrophic tyrosine kinase, receptor, type 1
Omim ID	155240 191315 256800
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date. [provided by RefSeq]
Other Designations	OTTHUMP00000038736 Oncogene TRK high affinity nerve growth factor receptor tyrosine kinase receptor A

Gene Info — NTRK2

Entrez GeneID	4915
Protein Accession#	P04629;Q16620;Q16288
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

Gene Info — NTRK3

Entrez GeneID

[4916](#)

Protein Accession#

[P04629;Q16620;Q16288](#)

Gene Name

NTRK3

Gene Alias

TRKC, gp145(trkC)

Gene Description

neurotrophic tyrosine kinase, receptor, type 3

Omim ID

[191316](#)

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 and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. [provided by RefSeq]

Other Designations

ETS related protein-neurotrophic receptor tyrosine kinase fusion protein|ETV6-NTRK3 fusion|NT-3 growth factor receptor|OTTHUMP00000192915|neurotrophin 3 receptor|tyrosine kinase receptor C

Pathway

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

- [Neurotrophin signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pathways in cancer](#)
- [Thyroid cancer](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Anxiety Disorders](#)
- [Asperger Syndrome](#)
- [Asperger Syndrome](#)
- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Autistic Disorder](#)
- [Autistic Disorder](#)
- [Avoidance Learning](#)
- [Bipolar Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)

- [Cognition](#)
- [Depressive Disorder](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Models](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Eating Disorders](#)
- [Eating Disorders](#)
- [Edema](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hereditary Sensory and Autonomic Neuropathies](#)
- [Hirschsprung Disease](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Mental Disorders](#)
- [Mental Disorders](#)
- [Mental Disorders](#)

- [Mood Disorders](#)
- [Mood Disorders](#)
- [Neuroblastoma](#)
- [Neuropsychological Tests](#)
- [Obsessive-Compulsive Disorder](#)
- [Obsessive-Compulsive Disorder](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Panic Disorder](#)
- [Pattern Recognition](#)
- [Psychiatric Status Rating Scales](#)
- [Recognition \(Psychology\)](#)
- [Schizophrenia](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Social Perception](#)
- [Social Perception](#)
- [Social Perception](#)
- [Stress Disorders](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)