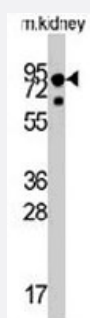


NTRK1 polyclonal antibody

Catalog # PAB3400

Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of NTRK1 polyclonal antibody (Cat # PAB3400) in mouse liver tissue lysates (35 ug/lane). NTRK1 (arrow) was detected using the purified polyclonal antibody.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NTRK1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human NTRK1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A purification
Recommend Usage	Flow Cytometry (1:10-50) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 (Tissue lysate)

Western blot analysis of NTRK1 polyclonal antibody (Cat # PAB3400) in mouse liver tissue lysates (35 ug/lane). NTRK1 (arrow) was detected using the purified polyclonal antibody.

- Flow Cytometry

Gene Info — NTRK1

Entrez GeneID [4914](#)

Protein Accession# [NP_002520:P04629](#)

Gene Name NTRK1

Gene Alias DKFZp781I14186, 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

Publication Reference

- [Expression of NGF in hepatocellular carcinoma cells with its receptors in non-tumor cell components.](#)

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- [Microarray analysis reveals differential gene expression patterns and regulation of single target genes contributing to the opposing phenotype of TrkA- and TrkB-expressing neuroblastomas.](#)

Schulte JH, Schramm A, Klein-Hitpass L, Klenk M, Wessels H, Hauffa BP, Eils J, Eils R, Brodeur GM, Schweigerer L, Havers W, Eggert A.

Oncogene 2005 Jan; 24(1):165.

- [Alternative mutations of BRAF, RET and NTRK1 are associated with similar but distinct gene expression patterns in papillary thyroid cancer.](#)

Fratini M, Ferrario C, Bressan P, Balestra D, De Cecco L, Mondellini P, Bongarzone I, Collini P, Gariboldi M, Pilotti S, Pierotti MA, Greco A.

Oncogene 2004 Sep; 23(44):7436.

Pathway

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

Disease

- [Alzheimer disease](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Hereditary Sensory and Autonomic Neuropathies](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Mental Disorders](#)
- [Neuroblastoma](#)
- [Social Perception](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)