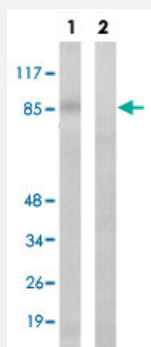


NTRK1 (phospho Y701) polyclonal antibody

Catalog # PAB29637 Size 100 uL

Applications

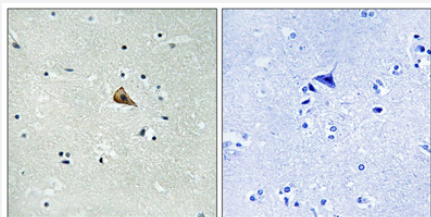


Western Blot (Tissue lysate)

Western blot analysis of Lane 1: Untreated mouse brain cell lysates, Lane 2: Synthesized peptide treated mouse brain cell lysates reacted with NTRK1 (phospho Y701) polyclonal antibody (Cat # PAB29637) at 1:500-1:3000 dilution.

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

Immunohistochemical staining of paraffin-embedded human brain tissue reacted with NTRK1 (phospho Y701) polyclonal antibody (Cat # PAB29637) at 1:50-1:100 dilution. The picture on the right is treated with the synthesized peptide.



Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human NTRK1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y701 of human NTRK1.
Host	Rabbit
Theoretical MW (kDa)	87
Reactivity	Human, Mouse, Rat

Specificity	NTRK1 (phospho Y701) polyclonal antibody detects endogenous levels of human NTRK1 only when phosphorylated at tyrosine 701.
Form	Liquid
Purification	Affinity chromatography
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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)

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Gene Info — NTRK1

Entrez GeneID	4914
Protein Accession#	P04629
Gene Name	NTRK1
Gene Alias	DKFZp781114186, 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

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](#)