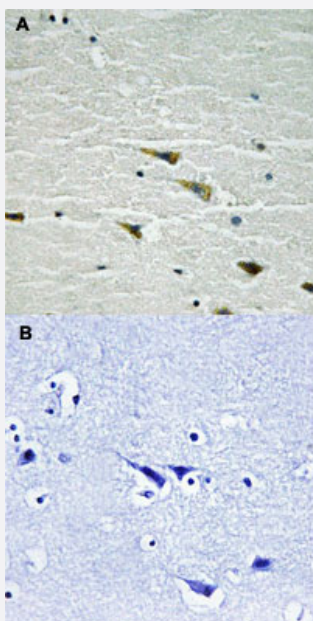


NTRK1 (phospho Y757) polyclonal antibody

Catalog # PAB29221 Size 100 uL

Applications



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

Immunohistochemical staining of human brain tissue by NTRK1 (phospho Y757) polyclonal antibody (Cat # PAB29221) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human NTRK1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y757 of human NTRK1.
Host	Rabbit
Theoretical MW (kDa)	87
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of NTRK1 only when phosphorylated at tyrosine 757.
Form	Liquid

Purification	Affinity purification
Recommend Usage	Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (without Mg ²⁺ and Ca ²⁺), (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Avoid repeated freezing and thawing.

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Gene Info — NTRK1

Entrez GeneID	4914
Protein Accession#	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

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](#)
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- [Hereditary Sensory and Autonomic Neuropathies](#)
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- [Neuroblastoma](#)
- [Social Perception](#)
- [Thyroid Diseases](#)

- [Thyroid Neoplasms](#)