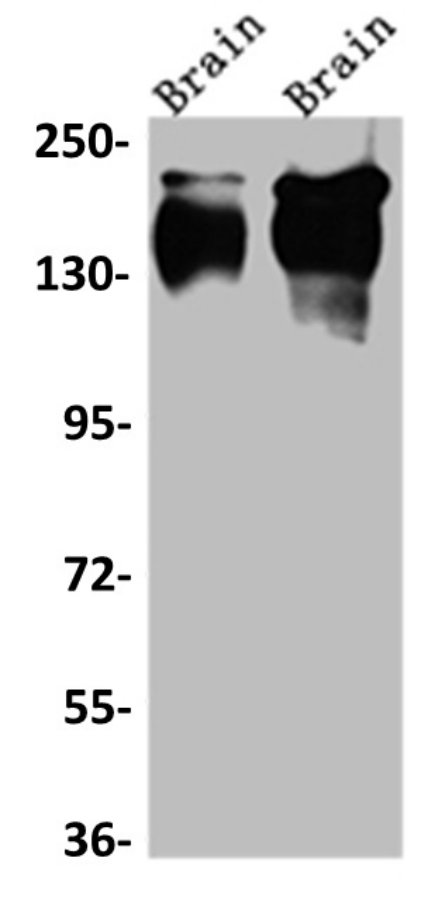
RecomAb™

NTRK1 recombinant monoclonal antibody, clone 2A5

Catalog # RAB07502 Size 100 uL

Applications



Western Blot

Western blot analysis of Rat Brain whole cell lysate, Mouse Brain whole cell lysate with NTRK1 recombinant monoclonal antibody, clone 2A5 (Cat # RAB07502).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NTRK1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human NTRK1.
Theoretical MW (kDa)	Calculated MW: 88, 8

Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western blot analysis of Rat Brain whole cell lysate, Mouse Brain whole cell lysate with NTRK1 recombinant monoclonal antibody, clone 2A5 (Cat # RAB07502).

- Enzyme-linked Immunoabsorbent Assay

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 (NTKR) 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