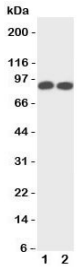
TrkA Antibody / NTRK1 (R31269)

Catalog No.	Formulation	Size
R31269	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q3UFB7
Applications	Western Blot : 0.5-1ug/ml
Limitations	This TrkA antibody is available for research use only.



Western blot testing of TrkA antibody and Lane 1: rat brain; 2: mouse brain tissue lysate. Observed molecular weight: 85~140 kDa depending on glycosylation level.

Description

Neurotrophic tyrosine kinase receptor type 1, also called TrkA, is a protein that in humans is encoded by the NTRK1 gene. The gene encodes the neurotrophic tyrosine kinase-1 receptor and belongs to a family of nerve growth factor receptors whose ligands include neurotrophins. This gene is mapped to 1q23.1. 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TrkA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of mouse TrkA (LYVENQQHLQRLEFEDLQGL) was used as the immunogen for this TrkA antibody.

Storage

After reconstitution, the TrkA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.