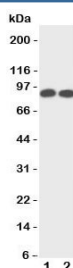


## TrkA Antibody / NTRK1 (R31269)

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

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q3UFB7
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	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.