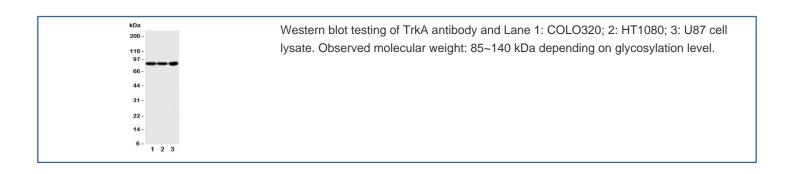


# TrkA Antibody / NTRK1 (R31268)

Catalog No.	Formulation	Size
R31268	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
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	P04629
Applications	Western Blot : 0.5-1ug/ml
Limitations	This TrkA antibody is available for research use only.



### **Description**

Neurotrophic tyrosine kinase receptor type 1, also called TrkA, is a protein that in humans is encoded by the NTRK1 gene. The NTKR1 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 human TrkA (LYIENQQHLQHLELRDLRGL) 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.