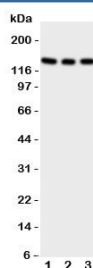


## TrkC Antibody (R31098)

Catalog No.	Formulation	Size
R31098	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>	Human, 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>	Q16288
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This TrkC antibody is available for research use only.



Western blot testing of TRKC antibody on Lane 1: rat brain; 2: mouse brain; 3: human U87 cell lysate. Observed molecular weight 95~145 kDa depending on glycosylation level.

## Description

NTRK3 (Neurotrophic Tyrosine Kinase Receptor Type 3), also known as TRKC, is a protein that in humans is encoded by the NTRK3 gene. By PCR analysis of a somatic cell hybrid panel and by fluorescence in situ hybridization with the cDNA clone, McGregor et al. (1994) mapped the NTRK3 gene to 15q24-q25. Lamballe et al. (1991) isolated and characterized TRKC, a member of the TRK family of tyrosine protein kinase genes. They found that TRKC is preferentially expressed in the brain; in situ hybridization studies showed transcripts in the hippocampus, cerebral cortex, and the granular cell layer of the cerebellum. By functional studies in HeLa cells, Muinos-Gimeno et al. (2009) demonstrated that 5 miRNAs regulate the truncated form of NTRK3. Signaling through TrkC leads to cell differentiation and may play a role in the development of proprioceptive neurons that sense body position. The protein is a heavily glycosylated molecule with 13 potential N-

linked glycosylation sites within the extracellular domain.

## Application Notes

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

## Immunogen

An amino acid sequence from the N-terminus of human TrkC (QLWQEQGEAKLNSQN) was used as the immunogen for this TrkC antibody.

## Storage

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