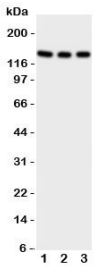
TrkC Antibody (R31098)

Catalog No.	Formulation	Size
R31098	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
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	Q16288
Applications	Western Blot : 0.5-1ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.