

Datasheet for ABIN3042961
anti-NTRK3 antibody (N-Term)

4 Images

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Overview

Quantity:	100 µg
Target:	NTRK3
Binding Specificity:	AA 172-186, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NTRK3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for NT-3 growth factor receptor(NTRK3) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human TrkC(172-186aa QLWQEQGEAKLNSQN), different from the related rat and mouse sequences by three amino acids.
Sequence:	QLWQEQGEAK LNSQN
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for NT-3 growth factor receptor(NTRK3) detection. Tested with WB in Human,Mouse,Rat. Gene Name: neurotrophic tyrosine kinase, receptor, type 3

Product Details

Protein Name: NT-3 growth factor receptor

Purification: Immunogen affinity purified.

Target Details

Target: NTRK3

Alternative Name: NTRK3 ([NTRK3 Products](#))

Background: 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.

Synonyms: EC 2.7.10.1 antibody|ETS related protein neurotrophic receptor tyrosine kinase fusion antibody|ETV6 NTRK3 fusion antibody|GP145 TrkC antibody|gp145(trkC) antibody|GP145-TrkC antibody|GP145TrkC antibody|Neurotrophic tyrosine kinase receptor type 3 antibody|Neurotrophin 3 receptor antibody|NT 3 growth factor receptor antibody|NT 3 growth factor receptor precursor antibody|NT 3 receptor antibody|NT-3 growth factor receptor antibody|Ntrk3 antibody|NTRK3_HUMAN antibody|OTTHUMP00000192915 antibody|TRK C antibody|Trk-C antibody|TrkC tyrosine kinase antibody|Tyrosine kinase receptor C antibody

UniProt: [Q16288](#)

Pathways: [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [Regulation of Cell Size](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Application Details

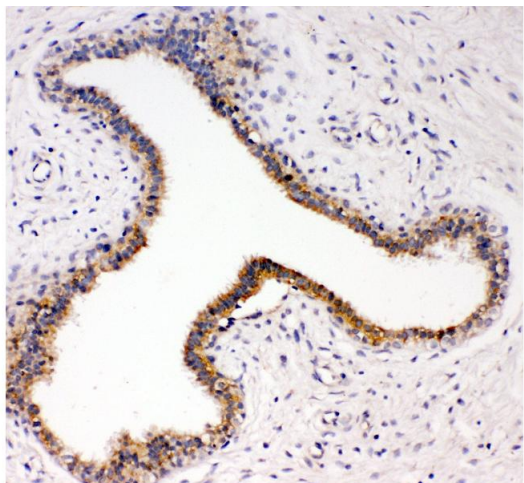
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



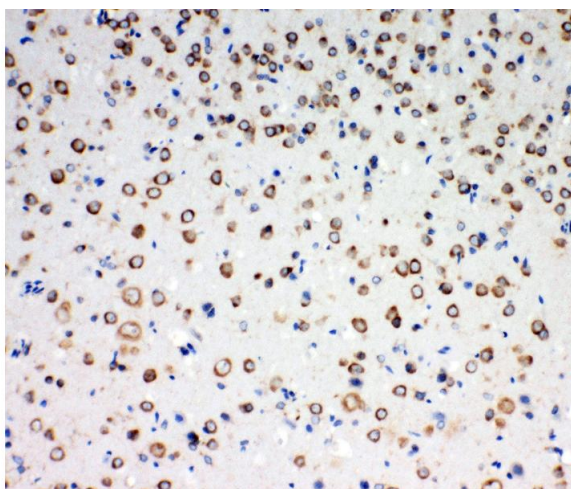
Western Blotting

Image 1. Anti-TrkC antibody, Western blotting Lane 1: Rat Brain Tissue Lysate Lane 2: Mouse Brain Tissue Lysate Lane 3: U87 Cell Lysate



Immunohistochemistry

Image 2. Anti-TrkC antibody, IHC(P) IHC(P): Human Mammary Cancer Tissue



Immunohistochemistry

Image 3. Anti-TrkC antibody, IHC(P) IHC(P): Rat Brain Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3042961.