



Datasheet for ABIN7043388

anti-TRKB antibody (Extracellular Domain)[Go to Product page](#)

5 Images

Overview

Quantity:	25 µL
Target:	TRKB (NTRK2)
Binding Specificity:	AA 57-70, Extracellular Domain
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RLEPNSIDPENITE, corresponding to amino acid residues 57-70 of rat TrkB
Isotype:	IgG
Characteristics:	Anti-TrkB (extracellular) Antibody (ABIN7043388, ABIN7044773 and ABIN7044774) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, indirect flow cytometry, and live cell imaging applications. It has been designed to recognize TrkB from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

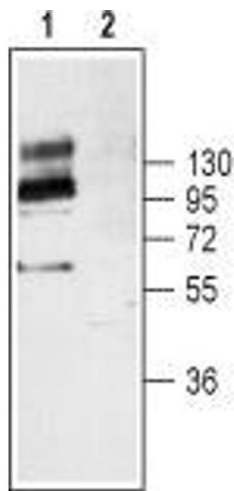
Target:	TRKB (NTRK2)
Alternative Name:	TrkB (NTRK2 Products)
Background:	Alternative names: TrkB, Neurotrophic tyrosine kinase receptor type 2, NTRK2, BDNF/NT-3 growth factors receptor
Gene ID:	25054
NCBI Accession:	NM_001007097
UniProt:	Q63604
Pathways:	RTK Signaling , Neurotrophin Signaling Pathway , cAMP Metabolic Process , Skeletal Muscle Fiber Development , Feeding Behaviour , Dicarboxylic Acid Transport

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

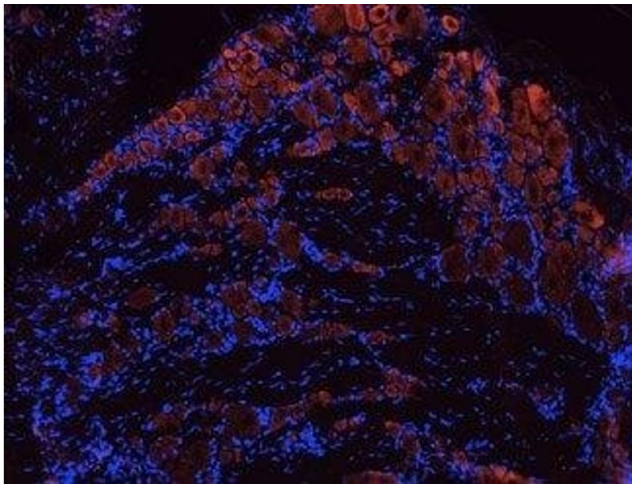
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



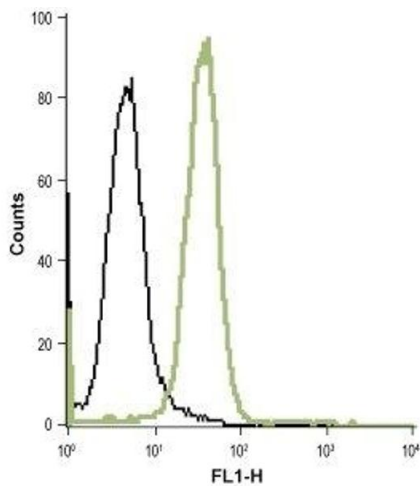
Western Blotting

Image 1. Western blot analysis of mouse brain lysates: -
 1. Anti-TrkB (extracellular) Antibody (ABIN7043388, ABIN7044773 and ABIN7044774), (1:200). 2. Anti-TrkB (extracellular) Antibody, preincubated with TrkB (extracellular) Blocking Peptide (#BLP-NT019).



Immunohistochemistry

Image 2. Expression of TrkB in rat DRG -
 Immunohistochemical staining of rat dorsal root ganglia (DRG) frozen sections using Anti-TrkB (extracellular) Antibody (ABIN7043388, ABIN7044773 and ABIN7044774), (1:100). TrkB (red) is expressed in DRG neurons. Hoechst 33342 is used as the counterstain.



Flow Cytometry

Image 3. Cell surface detection of TrkB in live intact HL-60 (human promyelocytic leukemia cells) cell line: (black line) Cells + goat-anti-rabbit-FITC. (green line) Cells + Anti-TrkB (extracellular) Antibody (ABIN7043388, ABIN7044773 and ABIN7044774), (1:25) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7043388.