

Datasheet for ABIN7043385
anti-TRKA antibody (2nd Extracellular Domain)

5 Images

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Overview

Quantity:	25 µL
Target:	TRKA (NTRK1)
Binding Specificity:	2nd Extracellular Domain, AA 342-356
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRKA antibody is un-conjugated
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)ETMRHG(S)LRLNQPTH, corresponding to amino acid residues 342-356 of rat TrkA
Isotype:	IgG
Characteristics:	Anti-TrkA (extracellular) Antibody (ABIN7043385, ABIN7044771 and ABIN7044772)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, live cell imaging, and indirect flow cytometry applications. It has been designed to recognize TrkA from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

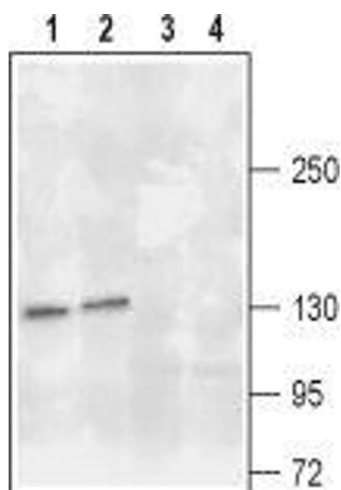
Target:	TRKA (NTRK1)
Alternative Name:	TrkA (NTRK1 Products)
Background:	Alternative names: TrkA, High affinity nerve growth factor receptor, Neurotrophic tyrosine kinase receptor type 1, NTRK1
Gene ID:	59109
NCBI Accession:	NM_002529
UniProt:	P35739
Pathways:	RTK Signaling , Neurotrophin Signaling Pathway , cAMP Metabolic Process

Application Details

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

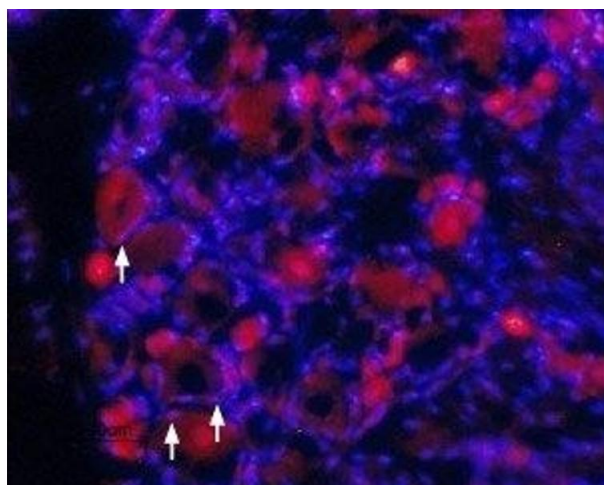
Handling

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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



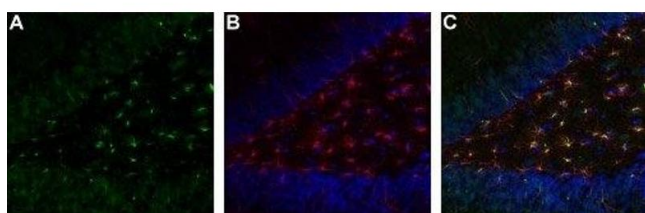
Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-TrkA (extracellular) Antibody (ABIN7043385, ABIN7044771 and ABIN7044772), (1:200). 3,4. Anti-TrkA (extracellular) Antibody, preincubated with TrkA (extracellular) Blocking Peptide (#BLP-NT018).



Immunohistochemistry

Image 2. Expression of TrkA in rat DRG - Immunohistochemical staining of rat dorsal root ganglia (DRG) frozen sections using Anti-TrkA (extracellular) Antibody (ABIN7043385, ABIN7044771 and ABIN7044772), (1:100). TrkA (red staining) is expressed in DRG neurons and in satellite microglia (arrows). Hoechst 33342 is used as the counterstain.



Immunohistochemistry

Image 3. Expression of TrkA in rat brain hippocampal dentate gyrus - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections. A. Brain sections were stained using Anti-TrkA (extracellular) Antibody (ABIN7043385, ABIN7044771 and ABIN7044772), (1:1000), (green staining). B. The same section was also stained for glial fibrillary acidic protein (GFAP) (red and counterstained blue). C. Overlay of A and B demonstrates co-localization of TrkA and GFAP in dentate gyrus astrocytes.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7043385.