



Datasheet for ABIN7139105
anti-TRKA antibody (pTyr791)



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2 Images

Overview

Quantity:	100 µL
Target:	TRKA (NTRK1)
Binding Specificity:	pTyr791
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRKA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine791 (P-V-Y(p)-L-D) derived from Human TrkA.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	TRKA (NTRK1)
Alternative Name:	NTRK1 (NTRK1 Products)

Target Details

Background: Background: Required for high-affinity binding to nerve growth factor (NGF), neurotrophin-3 and neurotrophin-4/5 but not brain-derived neurotrophic factor (BDNF). Known substrates for the Trk receptors are SHC1, PI 3-kinase, and PLC-gamma-1. Has a crucial role in the development and function of the nociceptive reception system as well as establishment of thermal regulation via sweating. Activates ERK1 by either SHC1- or PLC-gamma-1-dependent signaling pathway.

Wiese S, et al. Proc Natl Acad Sci U S A. 2007 Oct 23, 104(43):17210-5.
Valdez G, et al. Proc Natl Acad Sci U S A. 2007 Jul 24,104(30):12270-5
Inoue K, et al. J Biol Chem. 2007 Aug 17,282(33):24175-84

Aliases: gp140trk antibody, High affinity nerve growth factor receptor antibody, High affinity nerve growth factor receptor precursor antibody, MTC antibody, Neurotrophic tyrosine kinase receptor type 1 antibody, NTRK1 antibody, NTRK1_HUMAN antibody, Oncogene TRK antibody, p14-TrkA antibody, p140 TrkA antibody, p140-TrkA antibody, Slow nerve growth antibody, Trk A antibody, TRK antibody, Trk-A antibody, TRK1 antibody, TRK1-transforming tyrosine kinase protein antibody, Tropomyosin-related kinase A antibody, Tyrosine kinase receptor A antibody, Tyrosine kinase receptor antibody

UniProt: [P04629](#)

Pathways: [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [cAMP Metabolic Process](#)

Application Details

Application Notes: WB:1:500-1:1000, IF:1:100-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

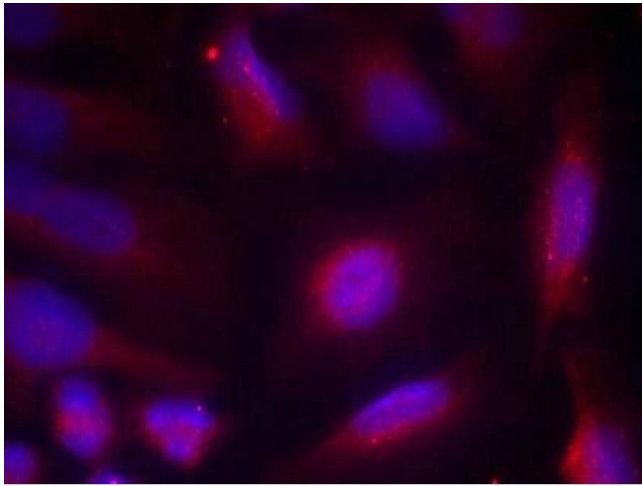
Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

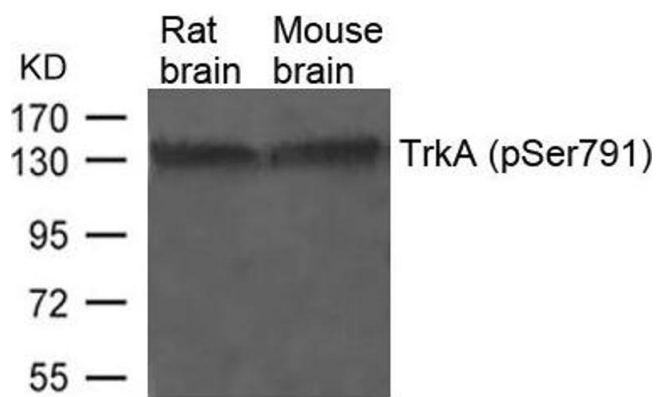
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed HeLa cells using TrkA(Phospho-Ser791) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from Rat and Mouse brain tissue using TrkA(Phospho-Ser791) Antibody.