TrkA(Phospho-Ser791) Antibody

Catalog No: #11326

Package Size: #11326-1 50ul #11326-2 100ul #11326-4 25ul

Overview

Product Name	TrkA(Phospho-Ser791) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IF
Species Reactivity	Hu
Immunogen Type	Peptide-KLH
Target Name	TrkA
Modification	Phospho-Ser791
Alternative Names	High affinity nerve growth factor receptor precursor; NTRK1; Slow nerve growth factor receptor; TRK; TRK1 transforming tyrosine kinase protein

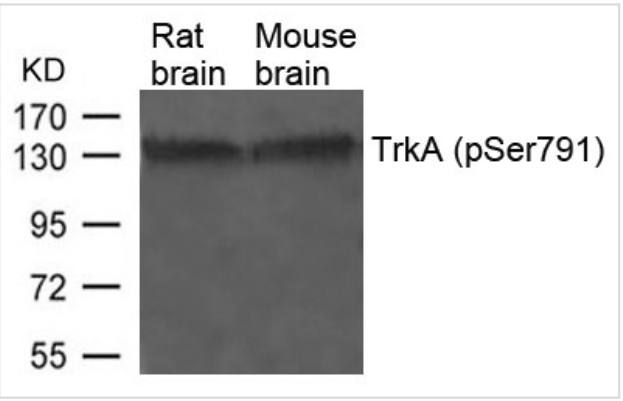
Application Details

Predicted MW: 140kd

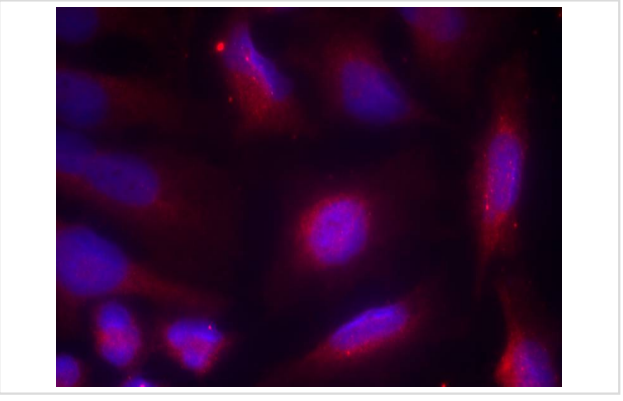
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from Rat and Mouse brain tissue using TrkA(Phospho-Ser791) Antibody #11326.



Immunofluorescence staining of methanol-fixed Hela cells using TrkA(Phospho-Ser791) Antibody #11326.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of tyrosine791 (P-V-Y(p)-L-D) derived from Human TrkA.
Specificity	The antibody detects endogenous level of TrkA only when phosphorylated at tyrosine 791.
Purifiction	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 chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P04629NCBI Protein: NP_001007793.1

Related Information

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