TrkA(Phospho-Ser791) Antibody

Catalog No: #11326

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	TrkA(Phospho-Ser791) Antibody
Host Species	Rabbit
Clonality	Polyclonal
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 chromatogramphy using non-phosphopeptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of TrkA only when phosphorylated at tyrosine 791.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine791 (P-V-Y(p)-L-D) derived from Human TrkA.
Target Name	TrkA
Modification	Phospho-Ser791
Other Names	High affinity nerve growth factor receptor precursor; NTRK1; Slow nerve growth factor receptor; TRK; TRK1 transforming tyrosine kinase protein
Accession No.	Swiss-Prot: P04629NCBI Protein: NP_001007793.1
Concentration	1.0mg/ml
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.

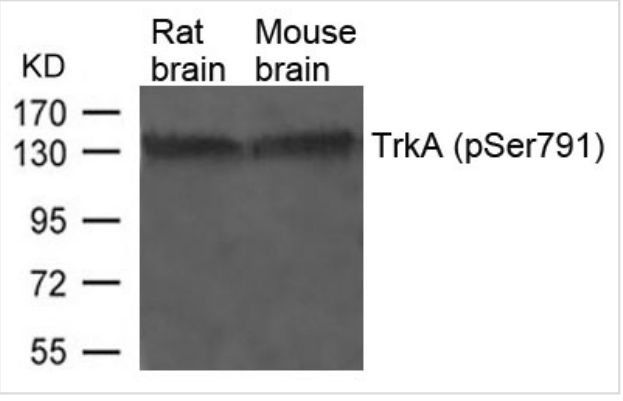
Application Details

Predicted MW: 140kd

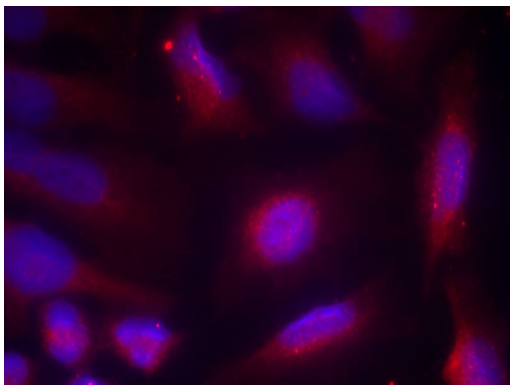
Western blotting: 1:500~1:1000

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.

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

Note: This product is for in vitro research use only and is not intended for use in humans or animals.