TrkA(Phospho-Ser791) Antibody

Catalog No: #11326

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



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		
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: 1:500~1:100
Immunofluorescence: 1:100~

Images

KD	Rat brain	Mouse brain	
170 -	-		TrkA (pSer791)
95 -			
72 -	- 201		
55 —	-		
	KD 170 - 130 - 95 - 72 - 55 -	KD Rat brain 170 — 130 — 95 — 72 — 55 —	KD Rat Mouse 170 brain 130 95 72 55

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.