Product Datasheet

TrkA(Ab-791) Antibody

Catalog No: #21326

Package Size: #21326-1 50ul #21326-2 100ul

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

Description

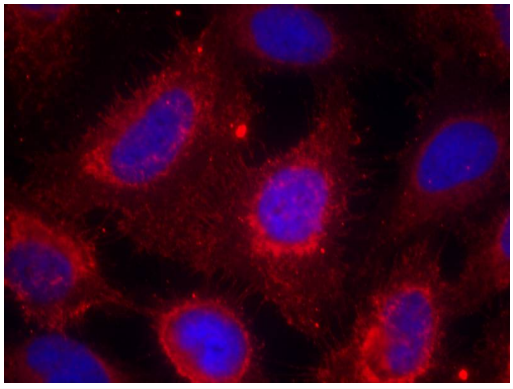
Product Name	TrkA(Ab-791) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total TrkA protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.789~793 (P-V-Y-L-D) derived from Human TrkA.
Target Name	TrkA
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
Uniprot	P04629
GeneID	4914;
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

Immunofluorescence: 1:100~1:200

Images



Immunofluorescence staining of methanol-fixed Hela cells using TrkA(Ab-791) Antibody #21326.

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