TrkB(Phospho-Tyr515) Antibody

Catalog No: #11327

Package Size: #11327-1 50ul #11327-2 100ul #11327-4 25ul

Overview

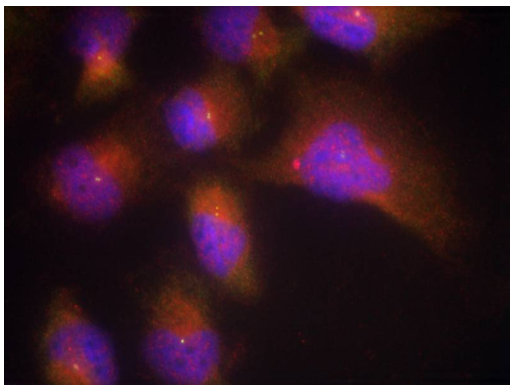
Product Name	TrkB(Phospho-Tyr515) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	TrkB
Modification	Phospho-Tyr515
Alternative Names	BDNF/NT-3 growth factors receptor precursor; GP145-TrkB; GP145-TrkB/GP95-TrkB; NTRK2; Trk-B

Application Details

Predicted MW: 140kd

Immunofluorescence: 1:100~1:200

Images



Immunofluorescence staining of methanol-fixed Hela cells using TrkB(Phospho-Tyr515) Antibody #11327.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of tyrosine 515 (P-Q-Y(p)-F-G) derived from Human TrkB.
Specificity	The antibody detects endogenous level of TrkB only when phosphorylated at tyrosine 515.
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: Q16620NCBI Protein: NP_001007098.1

Related Information

Receptor for brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5 but not nerve growth factor (NGF). Involved in the development and/or maintenance of the nervous system. This is a tyrosine-protein kinase receptor. Known substrates for the TRK receptors are SHC1, PI-3 kinase, and PLC-gamma-1.

Woronowicz A, et al. Glycobiology. 2007 Jan;17(1):10-24.

Mojsilovic-Petrovic J, et al. J Neurosci. 2006 Sep 6;26(36):9250-63.

Lewis MA, et al. Mol Pharmacol. 2006 Apr;69(4):1396-404.

Cai D, et al. Physiol Genomics. 2006 Feb 14;24(3):191-7.

Published Papers

YeeWen Candace Wu, Rachel A. Hill, Maren Klug el at., Sex-specific and region-specific changes in BDNFB¨CTrkB signalling in the hippocampus of 5-HT1A receptor and BDNF single and double mutant mice., Brain Research., 1452:10-17(2012)

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