Product Datasheet

Trk A (Phospho-Tyr757) Antibody

Catalog No: #11757

Package Size: #11757-1 50ul #11757-2 100ul

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

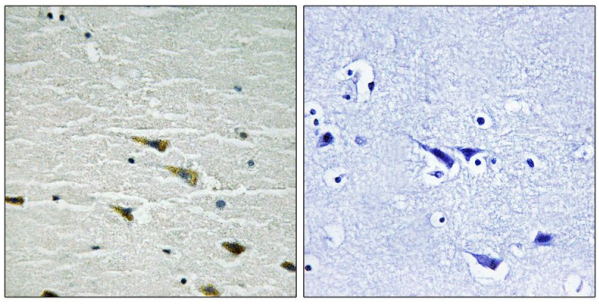
Description

Product Name	Trk A (Phospho-Tyr757) 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	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of Trk A only when phosphorylated at tyrosine 757.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 757 (E-V-Y(p)-A-I) derived from Human Trk A.
Target Name	Trk A
Modification	Phospho
Other Names	TRKA; TRK; NTRK1; p140-TrkA;
Accession No.	Swiss-Prot#: P04629; NCBI Gene#: 4914; NCBI Protein#: NP_002520.2.
Uniprot	P04629
GeneID	4914;
SDS-PAGE MW	87kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using Trk A (Phospho-Tyr757) antibody #11757 (left)or the same antibody preincubated with blocking peptide (right).

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.

Martin-Zanca D., Mol. Cell. Biol. 9:24-33(1989).
Shelton D.L., J. Neurosci. 15:477-491(1995).
The MGC Project Team, Genome Res. 14:2121-2127(2004).

Note: This product is for in vitro research use only