Trk B (Phospho-Tyr706/Tyr707) Antibody

Catalog No: #11758

Package Size: #11758-1 50ul #11758-2 100ul

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

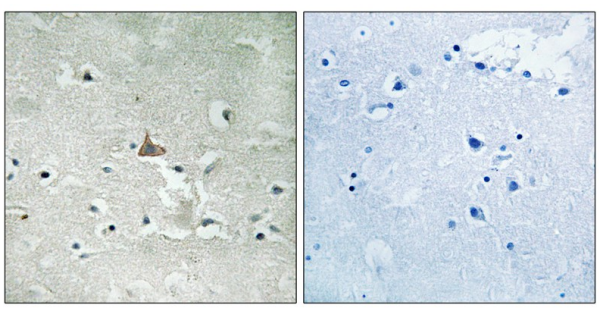
Description

Product Name	Trk B (Phospho-Tyr706/Tyr707) 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
Specificity	The antibody detects endogenous levels of Trk B only when phosphorylated at tyrosine 706 and tyrosine 707.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 706/tyrosine 707 (T-D-Y(p)-Y(p)-R-V)derived from Human Trk B.
Target Name	Trk B
Modification	Phospho
Other Names	Trk-B; NTRK2; GP145-TrkB;
Accession No.	Swiss-Prot#: Q16620; NCBI Gene#: 4915; NCBI Protein#: NP_001018074.1.
SDS-PAGE MW	91kd
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 B (Phospho-Tyr706/Tyr707) antibody #11758 (left)or the same antibody preincubated with blocking peptide (right).

Background

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.

Nakagawara A., Genomics 25:538-546(1995).
Shelton D.L., J. Neurosci. 15:477-491(1995).
Stoilov P., Biochem. Biophys. Res. Commun. 290:1054-1065(2002).

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