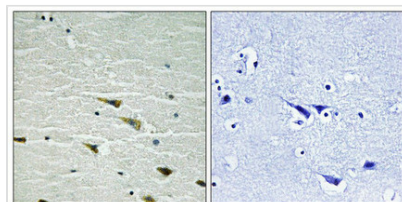




Phospho-NTRK1 (Tyr757) Antibody

Product Code	CSB-PA271642
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P04629
Immunogen	Peptide sequence around phosphorylation site of tyrosine 757 (E-V-Y(p)-A-I) derived from Human Trk A.
Raised In	Rabbit
Species Reactivity	Human, Mouse
Specificity	The antibody detects endogenous levels of Trk A only when phosphorylated at tyrosine 757.
Tested Applications	ELISA, IHC; IHC: 1:50-1:100
Relevance	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).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	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 chromatography
Clonality	Polyclonal
Alias	TRKA; TRK; NTRK1; p140-TrkA;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	NTRK1

Image



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



Product Modify**Phospho-Tyr757**