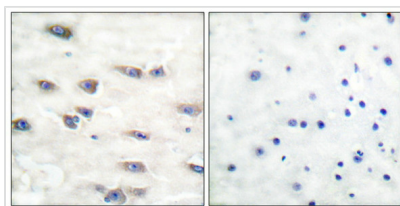




Phospho-NTRK1 (Tyr791) Antibody

Product Code	CSB-PA078103
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P04629
Immunogen	Peptide sequence around phosphorylation site of tyrosine 791 (P-V-Y(p)-L-D) derived from Human Trk A.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of Trk A only when phosphorylated at tyrosine 791.
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. Tina Garofalo, J. Biol. Chem., Dec 1998; 273: 35153. Jan Grimm, J. Cell Biol., Jul 2001; 154: 345. Jose L. Tomsig, J Androl, May 2006; 27: 348 - 357. VI Shifrin and BG Neel J. Biol. Chem., Dec 1993; 268: 25376 - 25384
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-Tyr791) antibody (left) or the same antibody preincubated with blocking peptide (right).

Product Modify

Phospho-Tyr791