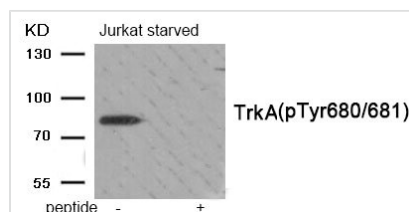




Phospho-NTRK1 (Tyr680/681) Antibody

Product Code	CSB-PA095633
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P04629
Immunogen	Peptide sequence around phosphorylation site of tyrosine 680/tyrosine 681 (T-D-Y(p)-Y(p)-R-V) derived from Human Trk A.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of Trk A only when phosphorylated at tyrosine 680/tyrosine 681.
Tested Applications	ELISA,WB;WB:1:500-1:1000
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. Liu HY, et al. (2005) J Biol Chem 280, 19461-71 Wahab NA, Weston BS, Mason RM (2005) J Am Soc Nephrol 16, 340-51 Marsh HN, et al. (2003) J Cell Biol 163, 999-1010
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	High affinity nerve growth factor receptor precursor; NTRK1; Slow nerve growth; TRK; Trk-A
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	NTRK1
Image	



Western blot analysis of extracts from Jurkat cells treated with starved using Phospho-Trk A (Tyr680/Tyr681) antibody. The lane on the right is treated with the antigen-specific peptide.

Product Modify

Phospho-Tyr680/681