



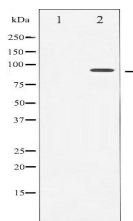
## TrkA (Phospho-Tyr680, 681) Antibody

#14177

**Catalog Number:** 14177-1, 14177-2**Amount:** 50µg/50µl, 100µg/100µl**Swiss-Prot No. :** P04629**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Storage/Stability:** Store at -20°C/1 year**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from Human TrkA around the phosphorylation site of Tyrosine 680 and Tyrosine 681**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.**Specificity/Sensitivity:** Phospho-TrkA (Tyr680,681) Antibody detects endogenous levels of TrkA only when phosphorylated at Tyrosine 680 and Tyrosine 681**Reactivity:** Human, Mouse, Rat**Applications:**

Predicted MW: 87kd

WB: 1:500~1:2000



Western blot analysis of Trk A  
phosphorylation expression in starved  
treated Jurkat whole cell lysates, The  
lane on the left is treated with the  
antigen-specific peptide.

**Background :** This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.