



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 Mg²⁺ and Ca²⁺), 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.

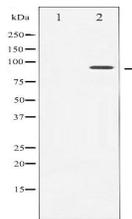
Specificity/Sensitivity: Phospho-TrkA (Tyr680,681) Antibody detects endogenous levels of TrkA only when phosphorylated at Tyrosine 680 and Tyrosine 681

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.