



TrkA (Phospho-Tyr705)

Antibody

#11328

Catalog Number: 11328-1, 11328-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q15418

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 TrkB around the phosphorylation site of tyrosine 705 (T-D-Y_P-Y-R).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

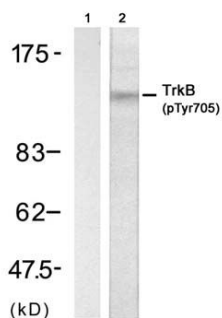
Specificity/Sensitivity: TrkB (Phospho-Tyr705) Antibody detects endogenous levels of TrkB only when phosphorylated at tyrosine 705.

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 140 kd

WB: 1:500~1:1000



Western blot analysis of extracts from mouse brain tissue, using TrkB (Phospho-Tyr705) antibody (#11328, Lane 1 and 2).

Peptide + -

Background : Receptor for brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5 but not nerve growth factor (NGF). Involved in the development and/or maintenance of the nervous system. This is a tyrosine-protein kinase receptor. Known substrates for the TRK receptors are SHC1, PI-3 kinase, and PLC-gamma-1.

References:

Woronowicz A, et al. *Glycobiology*. 2007 Jan;17(1):10-24.

Mojsilovic-Petrovic J, et al. *J Neurosci*. 2006 Sep 6;26(36):9250-63.

Lewis MA, et al. *Mol Pharmacol*. 2006 Apr;69(4):1396-404.

Cai D, et al. *Physiol Genomics*. 2006 Feb 14;24(3):191-7.