

35-1295: Polyclonal Antibody to TrkB (Phospho-Tyr705)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Rat,Mouse,Human
Gene :	NTRK2
Gene ID :	4915
Uniprot ID :	Q16620
Format :	Purified
Alternative Name :	BDNF/NT-3 growth factors receptor precursor, EC 2.7.10.1, GP145-TrkB, GP145-TrkB/GP95-TrkB, NTRK2
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of tyrosine 705 (T-D-Y P-Y-R) derived from Human TrkB.

Description

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. 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.

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 140kd, Western blotting: 1:500~1:1000

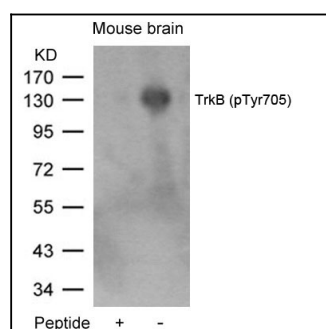


Figure 1: Western blot analysis of extracts from mouse brain tissue using TrkB(Phospho-Tyr705) Antibody 35-1295 and the same antibody preincubated with blocking peptide.