

35-1648: Polyclonal Antibody to TrkB (Ab-705)

Clonality :	Polyclonal
Application :	WB,IF
Reactivity :	Human,Mouse,Rat
Gene :	NTRK2
Gene ID :	4915
Uniprot ID :	Q16620
Format :	Purified
Alternative Name :	TRKB, trk-B, GP145-TrkB
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.703~707 (T-D-Y -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: 145kd, Western blotting: 1:500~1:1000, Immunofluorescence: 1:100~1:200

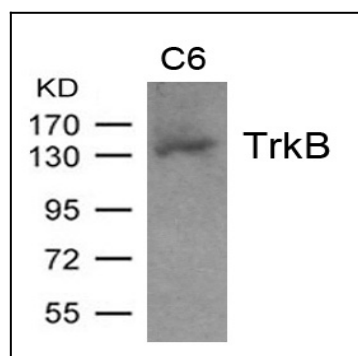


Figure 1: Western blot analysis of extract from C6 cell and using TrkB(Ab-705) Antibody 35-1648 .

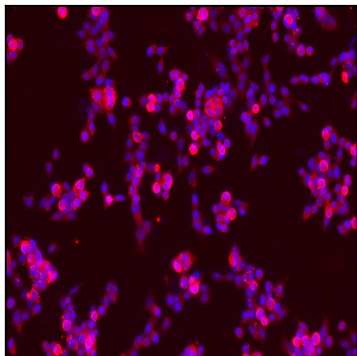


Figure 2: Immunofluorescence staining of methanol-fixed NCI-h446 cells showing cytoplasmic staining using TrkB (Ab-705) Antibody 35-1648 .