

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

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

**Clonality :** Polyclonal **Application :** WB,IF

**Reactivity:** Rat, Mouse, Human

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, Pl-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 Mg2+ and Ca2+), 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

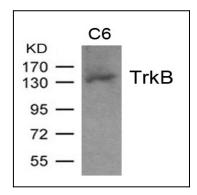


Figure 1: Western blot analysis of extract from C6 cell and using TrkB(Ab-705) Antibody 35-1648 .



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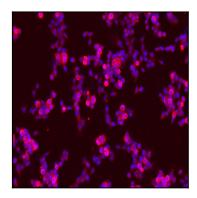


Figure 2: Immunofluorescence staining of methanol-fixed NCI-h446 cells showing cytoplasmic staining using TrkB (Ab-705) Antibody 35-1648.