

35-1293: Polyclonal Antibody to TrkA (Phospho-Ser791)

Clonality :	Polyclonal
Application :	WB,IF
Reactivity :	Rat,Mouse,Human
Gene :	NTRK1
Gene ID :	4914
Uniprot ID :	P04629
Format :	Purified
Alternative Name :	High affinity nerve growth factor receptor precursor, NTRK1, Slow nerve growth factor receptor, TRK, TRK1 transforming tyrosine kinase protein
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of tyrosine791 (P-V-Y(p)-L-D) derived from Human TrkA.

Description

Required for high-affinity binding to nerve growth factor (NGF), neurotrophin-3 and neurotrophin-4/5 but not brain-derived neurotrophic factor (BDNF). Known substrates for the Trk receptors are SHC1, PI 3-kinase, and PLC-gamma-1. Has a crucial role in the development and function of the nociceptive reception system as well as establishment of thermal regulation via sweating. Activates ERK1 by either SHC1- or PLC-gamma-1-dependent signaling pathway.

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, Immunofluorescence: 1:100~1:200

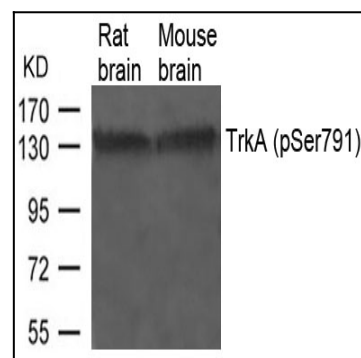


Figure 1: Western blot analysis of extracts from Rat and Mouse brain tissue using TrkA(Phospho-Ser791) Antibody 35-1293 .

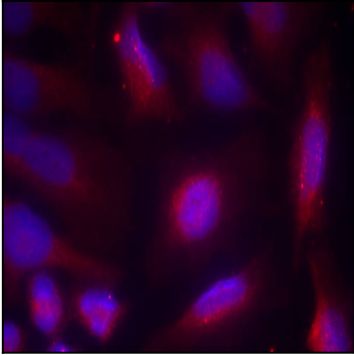


Figure 2: Immunofluorescence staining of methanol-fixed HeLa cells using TrkA(Phospho-Ser791) Antibody 35-1293 .