



TrkA (Ab-791) Antibody

#21326

Catalog Number: 21326-1, 21326-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : P04629

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 non-phosphopeptide derived from Human TrkA around the phosphorylation site of serine 791 (P-V-Y_P-L-D).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

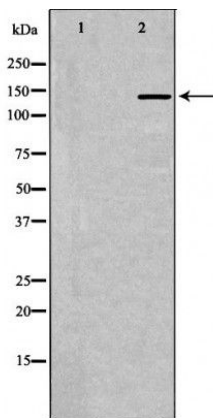
Specificity/Sensitivity: TrkA (Ab- 791) antibody detects endogenous levels of total TrkA protein

Reactivity: Human, Mouse, Rat

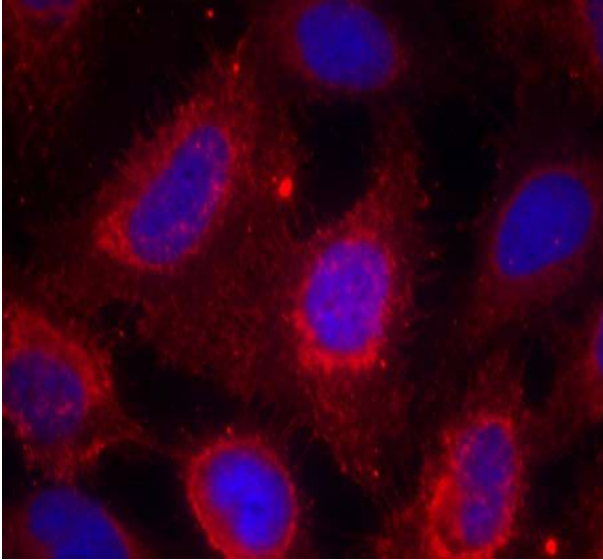
Applications:

Predicted MW: 140 kd

WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:200



Western blot analysis of extracts of rat brain cell lines,
using TrkA(Ab-791) antibody.



Immunofluorescence staining of methanol-fixed HeLa cells using TrkA (Ab-791) Antibody (#21326,Red)

Background :

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.

References:

- Wiese S, et al. Proc Natl Acad Sci U S A. 2007 Oct 23; 104(43):17210-5.
Valdez G, et al. Proc Natl Acad Sci U S A. 2007 Jul 24;104(30):12270-5
Inoue K, et al. J Biol Chem. 2007 Aug 17;282(33):24175-84