



TrkA (Phospho-Ser791) Antibody

#11326

Catalog Number: 11326-1, 11326-2

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 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 phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

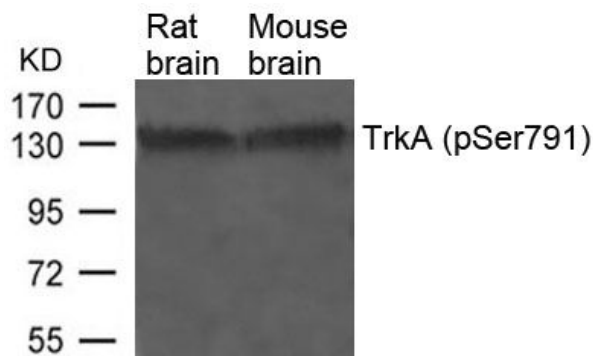
Specificity/Sensitivity: TrkA (Phospho-Ser791) Antibody detects endogenous levels of TrkA only when phosphorylated at serine 791.

Reactivity: Human, Mouse, Rat

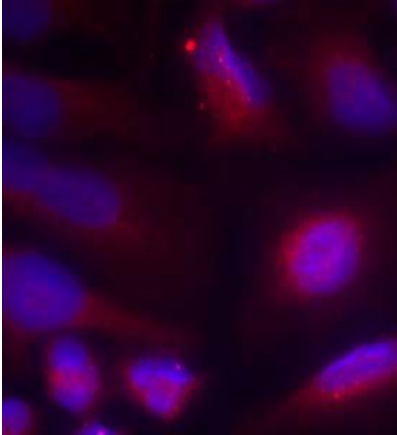
Applications:

Predicted MW: 140 kd

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



Western blot analysis of extracts from Rat and Mouse brain tissue using TrkA(Phospho-Ser791) Antibody #11326.



Immunofluorescence staining of methanol-fixed HeLa cells using TrkA (Phospho-Ser791) Antibody (#11326, 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