Trk A (Phospho-Tyr496) Antibody

E011054

Catalog Number: E11-0589A

Concentration: 1mg/ml

Swiss-Prot No.: P04629

Other Names: EC 2.7.10.1, High affinity nerve growth factor receptor precursor, NTRK1, Slow nerve growth factor receptor, TRK, TRK1 transforming tyrosine kinase protein, TRKA, Trk-A, kinase TrkA, p140-TrkA

All Sites: Human: Tyr496; Mouse: Tyr499; Rat: Tyr499

Storage/Stability: Store at -20℃/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human Trk A around the phosphorylation site of tyrosine 496 (P-Q-Y^{P}-F-S).

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: Trk A (Phospho-Tyr496) antibody detects endogenous levels of Trk A only when phosphorylated at tyrosine 496.

Reactivity: Human (Identities = 100%, Positives = 100%); Mouse (Identities = 100%, Positives = 100%);
Rat (Identities = 100%, Positives = 100%)

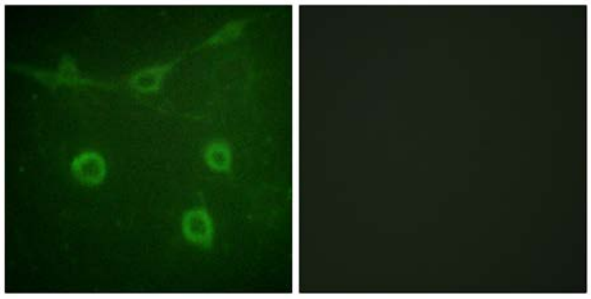
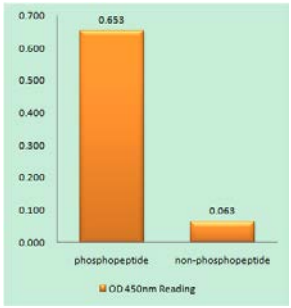
Applications: IF: 1:100~1:500 ELISA: 1:5000

References:

E Lavenius. Cell Growth Differ., Jun 1995; 6: 727.

F Miralles. J. Endocrinol., Mar 1998; 156: 431 - 439.

Tim R. Bilderback. J. Biol. Chem., Jan 1999; 274: 257.

 P-peptide - +	
Immunofluorescence analysis of NIH/3T3 cells, using Trk A (Phospho-Tyr496) antibody.	Trk A (Phospho-Tyr496) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nM are shown in the ELISA figure.