

**Product name:** Phospho-TrkB (Y817) NTRK2 Rabbit Monoclonal Antibody

**Cat number:** MAB-95050

**Conjugate:** Unconjugated

**Size:** 100 ug

**Clone:** EGA-14

**Concentration:** 1mg/ml

**Host:** Rabbit

**Isotype:** IgG

**Immunogen:** A synthesized peptide derived from human Phospho-TrkB (Y817).

**Reactivity:** Human, Mouse, Rat

**Applications:** Western Blot: 1:500-1:1000 Immunohistochemistry: 1:50-1:100  
Immunocytochemistry: 1:50-1:100 Immunofluorescence:1:50-1:100  
Immunoprecipitation: 1:30

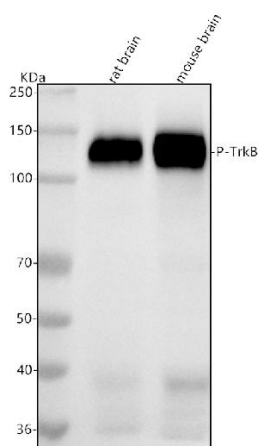
**Molecular Weight:** ~140 kDa

**Purification:** Affinity-chromatography

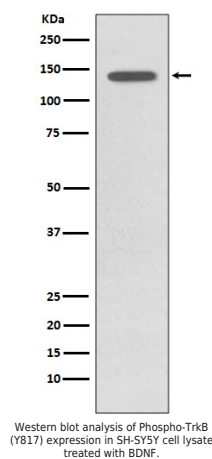
**Form:** Liquid

**Buffer:** Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

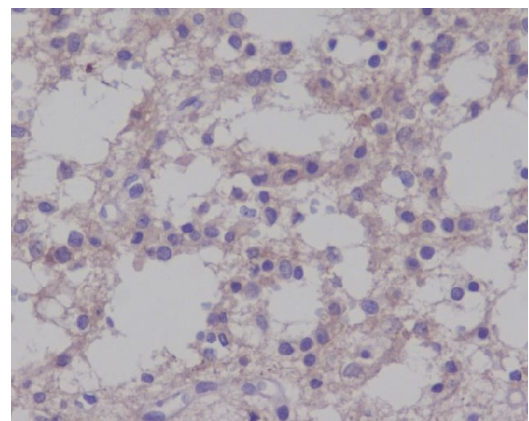
**Storage:** Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.



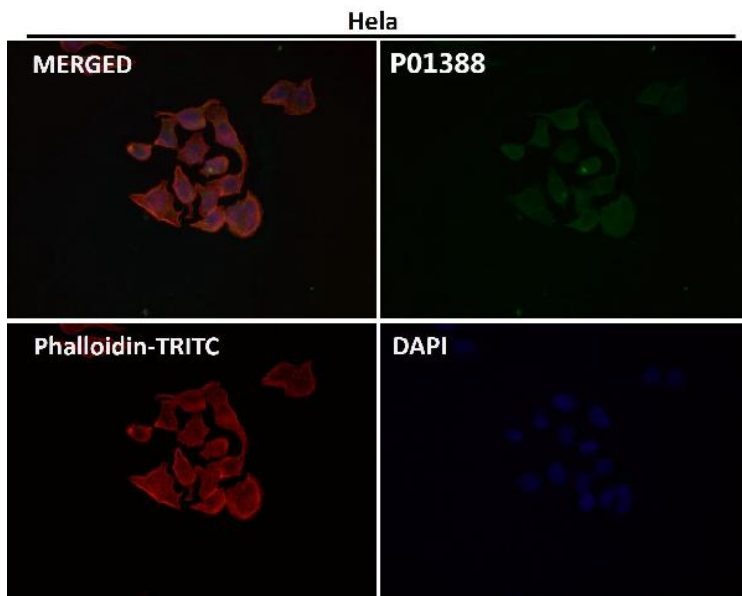
Western blot analysis of TrkB using anti-TrkB antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TrkB antigen affinity purified monoclonal antibody at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TrkB at approximately 140 kDa.



Western blot analysis of Phospho-TrkB (Y817) expression in SH-SY5Y cell lysate treated with BDNF.



Immunohistochemical analysis of paraffin-embedded mouse brain cancer, using Phospho-TrkB (Y817) Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.