

Anti-Phospho-TrkB (Y817) NTRK2 Rabbit Monoclonal Antibody

Catalog Number: P01388

Overview

Product Name	Anti-Phospho-TrkB (Y817) NTRK2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-TrkB (Y817) NTRK2 Rabbit Monoclonal Antibody catalog # P01388. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal EGA-14
Formulation	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 Instructions	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.
Host	Rabbit
Uniprot ID	Q16620

Technical Details

Immunogen	A synthesized peptide derived from human Phospho-TrkB (Y817)
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:1000 IHC 1:50-1:100 ICC/IF 1:50-1:100 IP 1:30

Anti-Phospho-TrkB (Y817) NTRK2 Rabbit Monoclonal Antibody (P01388) Images

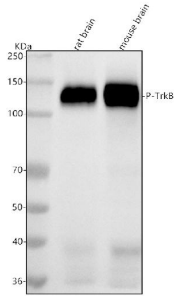


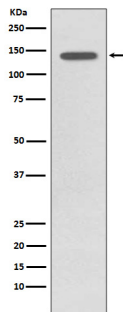
Figure 1. Western blot analysis of TrkB using anti-TrkB antibody (P01388).

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.

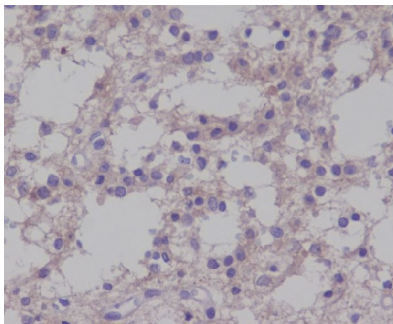
Lane 1: rat brain tissue lysates,

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 (Catalog # P01388) 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 (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for TrkB at approximately 130 kDa. The expected band size for TrkB is at 92 kDa.

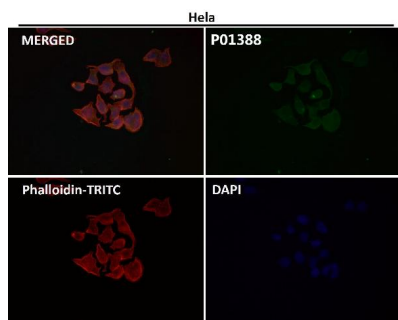


Western blot analysis of Phospho-TrkB (Y817) expression in SH-SY5Y cell lysate treated with BDNF.



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

Immunofluorescent analysis using the Antibody at 1:50 dilution.



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