

Phospho-TrkA-Y490 Rabbit pAb

Catalog No.: AP0492 **2 Publications**

Basic Information

Observed MW

150kDa/140kDa

Calculated MW

87kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, cognitive disability and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

4914

Swiss Prot

P04629

Immunogen

A synthetic phosphorylated peptide around Y490 of human TrkA (NP_001012331.1).

Synonyms

MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA; Phospho-TrkA-Y490

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

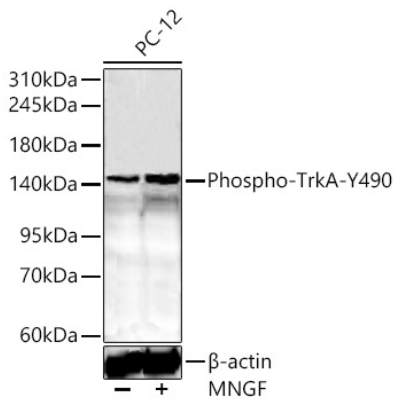
Affinity purification

Storage

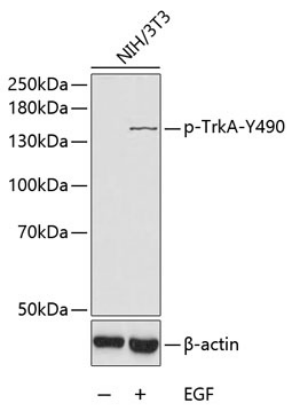
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from PC-12 cells using Phospho-TrkA-Y490 Rabbit pAb (AP0492) at 1:1800 dilution. PC-12 cells were treated by MNGF (200 ng/ml) at 37°C for 10 minutes after serum-starvation overnight.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Western blot analysis of lysates from NIH3T3 cells, using Phospho-TrkA-Y490 Rabbit pAb (AP0492).
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% BSA.