

Anti-TrkA/NTRK1 Antibody

Catalog Number: PA2149-2

About Ntrk1

Neurotrophic tyrosine kinase receptor type 1, also called Trk-A, is a protein that in humans is encoded by the NTRK1 gene. The NTRK1 gene encodes the neurotrophic tyrosine kinase-1 receptor and belongs to a family of nerve growth factor receptors whose ligands include neurotrophins. This gene is mapped to 1q23.1. 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, mental retardation and cancer.

Overview

Product Name	Anti-TrkA/NTRK1 Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-TrkA/NTRK1 Antibody catalog # PA2149-2. Tested in WB applications. This antibody reacts with Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q3UFB7

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse TrkA, different from the related rat sequence by two amino acids.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Mouse, Rat</p>

Anti-TrkA/NTRK1 Antibody (PA2149-2) Images



Anti-TrkA antibody, PA2149-2, Western blotting
Lane 1: Rat Brain Tissue Lysate
Lane 2: Mouse Brain Tissue Lysate

2 Publications Citing This Product

1. PubMed ID: 25042774, Li C, Ma Y, Yi K, Wang C, Li W, Liu Z, Sun L, Chen S, Yu J, Li H, Chen L, Zhou X. Anim Reprod Sci. 2014 Oct;149(3-4):117-23. Doi: 10.1016/J.Anireprosci.2014.06.030. Epub 2014 Jul 2. The Interactions Between Nerve Growth Factor And Gonadotrophins I...

2. PubMed ID: 21385399, Li Y, Zhang Sf, Zou Se, Xia X, Bao L. Reprod Biol Endocrinol. 2011 Mar 8;9:30. Doi: 10.1186/1477-7827-9-30. Accumulation Of Nerve Growth Factor And Its Receptors In The Uterus And Dorsal Root Ganglia In A Mouse Model Of Adenomyosis.

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