

Anti-TrkA/NTRK1 Antibody

Catalog Number: PA2149-1

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

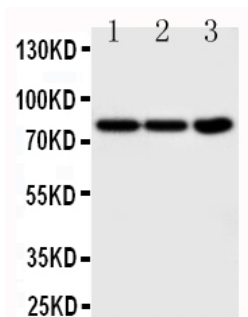
Product Name	Anti-TrkA/NTRK1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-TrkA/NTRK1 Antibody catalog # PA2149-1. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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	P04629

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human TrkA.
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, Human</p>

Anti-TrkA/NTRK1 Antibody (PA2149-1) Images



Anti-TrkA antibody, PA2149-1, Western blotting

Lane 1: COLO320 Cell Lysate

Lane 2: HT1080 Cell Lysate

Lane 3: U87 Cell 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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