

Anti-TrkA/NTRK1 Antibody Picoband®

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

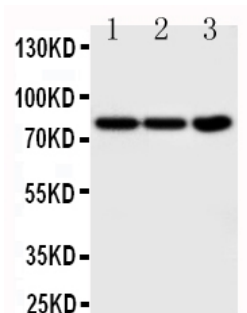
Product Name	Anti-TrkA/NTRK1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-TrkA/NTRK1 Antibody catalog # PA2149-1. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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.
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	Western blot, 0.1-0.5ug/ml, Human

Anti-TrkA/NTRK1 Antibody Picoband® (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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