Product datasheet

Anti-TrkA/NTRK1 Antibody

Catalog Number: *BA0068-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-TrkA/NTRK1 Antibody
Gene Name	NTRK1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human TrkA.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	145 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Neurotrophic tyrosine kinase receptor type 1, also called Trk-A, is a protein that in humans is encoded by the NTRK1 gene. The NTKR1 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.

Selected Validation Data

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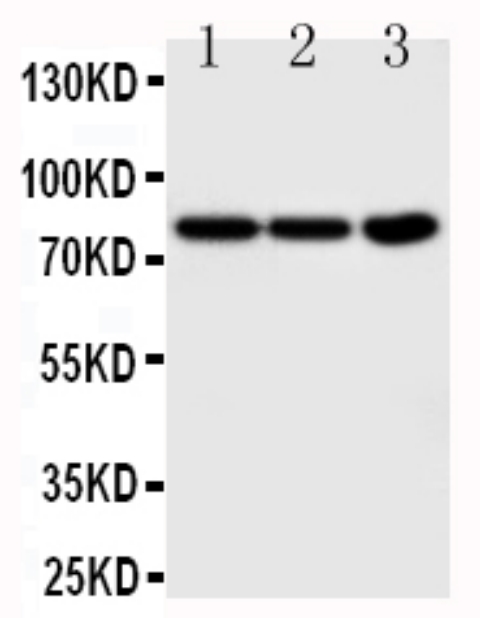

Western blot analysis of TrkA/NTRK1 using anti-TrkA/NTRK1 antibody (BA0068-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: COLO320 whole cell lysates,
Lane 2: HT1080 whole cell lysates,
Lane 3: U87 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TrkA/NTRK1 antigen affinity purified polyclonal antibody (BA0068-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TrkA/NTRK1 at approximately 145 kDa. The expected band size for TrkA/NTRK1 is at 87 kDa.