

## Basic Information

Product Name	Anti-TrkA/NTRK1 Antibody	
Gene Name	NTRK1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence of human TrkA	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	145 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C 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 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.

## Reference

Anti-TrkA/NTRK1 Antibody被引用在1文献中。

## Selected Validation Data



Western blot analysis of TrkA/NTRK1 using anti-TrkA/NTRK1 antibody (BA0068). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

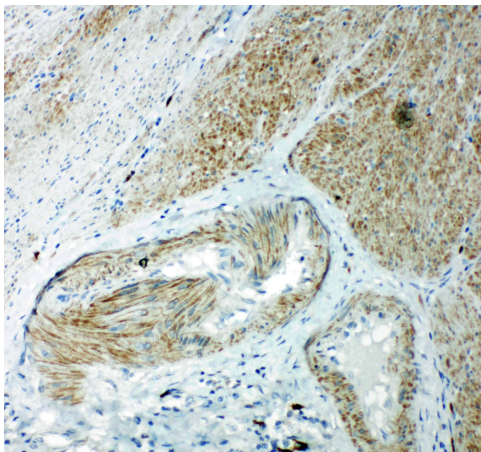
Lane 1: human HT1080 whole cell lysates,

Lane 2: human COLO320 whole cell lysates,

Lane 3: human SW620 whole cell lysates,

Lane 4: human Jurkat 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) 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.



IHC analysis of TrkA/NTRK1 using anti-TrkA/NTRK1 antibody (BA0068).

TrkA/NTRK1 was detected in a paraffin-embedded section of human intestinal cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-TrkA/NTRK1 Antibody (BA0068) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.