

## Basic Information

Product Name	Anti-TrkA/NTRK1 Antibody (Clone#CDH-14)	
Gene Name	NTRK1	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, IP, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human TrkA	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	145 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-200 ImmunoPrecipitation (IP): 1:50 Flow Cytometry (FCM): 1:30	

## Storage

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

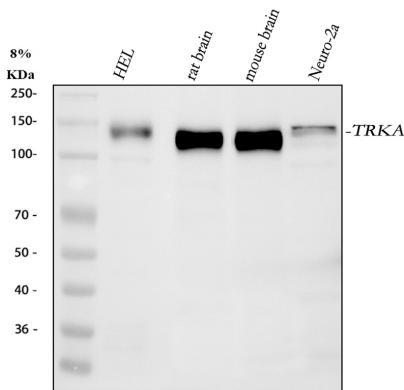
## Background Information

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 (Clone#CDH-14)被引用在2文献中。

## Selected Validation Data



Western blot analysis of anti-TrkA/NTRK1 antibody (BM4206). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

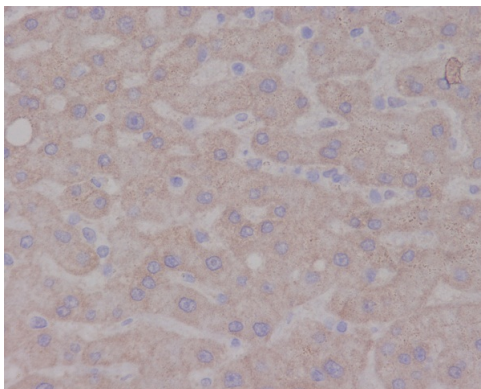
Lane 1: human HEL whole cell lysates,

Lane 2: rat brain tissue lysates,

Lane 3: mouse brain tissue lysates,

Lane 4: mouse Neuro-2a whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TrkA/NTRK1 antigen affinity purified monoclonal antibody (BM4206) 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.



Immunohistochemical analysis of paraffin-embedded human liver, using TrkA Antibody.