

Datasheet for ABIN7155192
anti-TRKA antibody (AA 33-208)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	TRKA (NTRK1)
Binding Specificity:	AA 33-208
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRKA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human High affinity nerve growth factor receptor protein (33-208AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	TRKA (NTRK1)
Alternative Name:	NTRK1 (NTRK1 Products)
Background:	Background: Receptor tyrosine kinase involved in the development and the maturation of the central and peripheral nervous systems through regulation of proliferation, differentiation and

Target Details

survival of sympathetic and nervous neurons (PubMed:27676246). High affinity receptor for NGF which is its primary ligand, it can also bind and be activated by NTF3/neurotrophin-3. However, NTF3 only supports axonal extension through NTRK1 but has no effect on neuron survival. Upon dimeric NGF ligand-binding, undergoes homodimerization, autophosphorylation and activation. Recruits, phosphorylates and/or activates several downstream effectors including SHC1, FRS2, SH2B1, SH2B2 and PLCG1 that regulate distinct overlapping signaling cascades driving cell survival and differentiation. Through SHC1 and FRS2 activates a GRB2-Ras-MAPK cascade that regulates cell differentiation and survival. Through PLCG1 controls NF-Kappa-B activation and the transcription of genes involved in cell survival. Through SHC1 and SH2B1 controls a Ras-PI3 kinase-AKT1 signaling cascade that is also regulating survival. In absence of ligand and activation, may promote cell death, making the survival of neurons dependent on trophic factors.

Aliases: gp140trk antibody, High affinity nerve growth factor receptor antibody, High affinity nerve growth factor receptor precursor antibody, MTC antibody, Neurotrophic tyrosine kinase receptor type 1 antibody, NTRK1 antibody, NTRK1_HUMAN antibody, Oncogene TRK antibody, p14-TrkA antibody, p140 TrkA antibody, p140-TrkA antibody, Slow nerve growth antibody, Trk A antibody, TRK antibody, Trk-A antibody, TRK1 antibody, TRK1-transforming tyrosine kinase protein antibody, Tropomyosin-related kinase A antibody, Tyrosine kinase receptor A antibody, Tyrosine kinase receptor antibody

UniProt: [P04629](#)

Pathways: [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [cAMP Metabolic Process](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

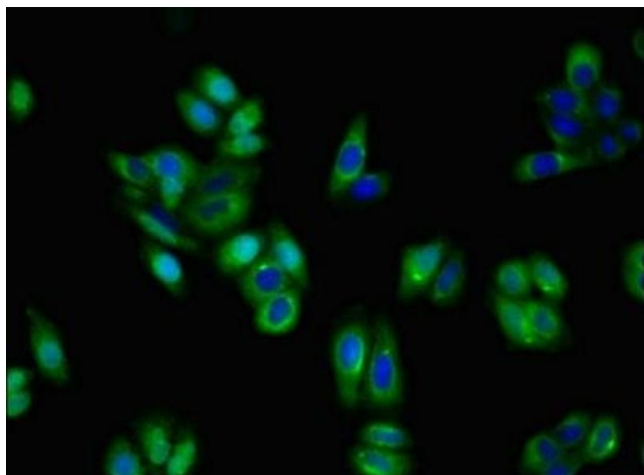
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, -80 °C

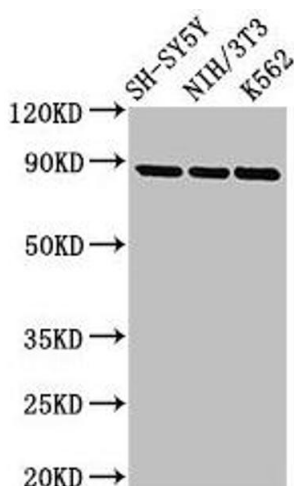
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



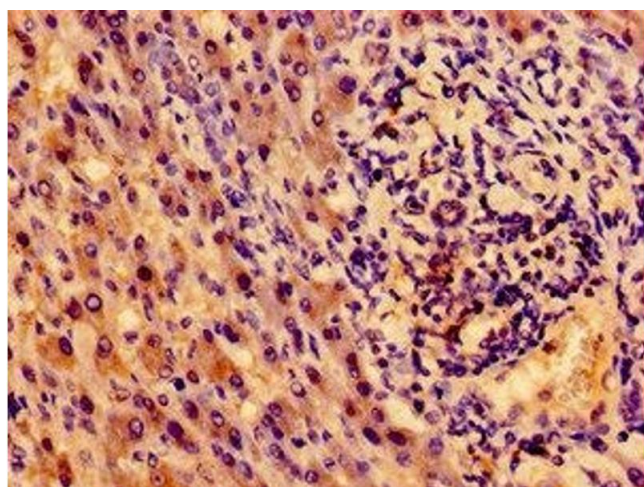
Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN7155192 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: SH-SY5Y whole cell lysate, NIH/3T3 whole cell lysate, K562 whole cell lysate All lanes: NTRK1 antibody at 2.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 88, 87, 84, 78 kDa Observed band size: 88 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human liver cancer using ABIN7155192 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7155192.