

Rabbit anti-Human, Mouse NTRK1 Polyclonal Antibody | anti-NTRK1 antibody

NTRK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233816	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

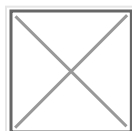
PRODUCT SYNONYMS

NTRK1; Polyclonal Antibody; NTRK1 Antibody; High affinity nerve growth factor receptor; Neurotrophic tyrosine kinase receptor type 1; TRK1-transforming tyrosine kinase protein; Tropomyosin-related kinase A; Tyrosine kinase receptor; Tyrosine kinase receptor A; Trk-A; gp140trk; p140-TrkA; MTC; TRK; TRKA; anti-NTRK1 antibody

PRODUCT SPECIFICATIONS

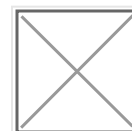
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	760
Applicable Applications for anti-NTRK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human High affinity nerve growth factor receptor protein (33-208AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



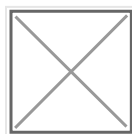
IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA233816 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



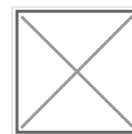
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gastric cancer using AAA233816 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using AAA233816 at dilution of 1:100



WB (Western Blot)

Western BlotPositive WB detected in: SH-SY5Y whole cell lysate, NIH/3T3 whole cell lysate, K562 whole cell lysateAll lanes: NTRK1 antibody at 2.7ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 88, 87, 84, 78 KDaObserved band size: 88 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-NTRK1 antibody	Receptor tyrosine kinase involved in the development and the maturation of the central and peripheral nervous systems through regulation of proliferation, differentiation and 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56118210
NCBI GeneID	4914
NCBI Accession #	NP_001007793.1
NCBI GenBank Nucleotide #	NM_001007792.1
UniProt Accession #	P04629; P08119; Q15655; Q15656; Q5D056; Q5VZS2; Q7Z5C3; Q9UIU7; B2R6T5; B7ZM34
Molecular Weight	77,145 Da
NCBI Official Full Name	high affinity nerve growth factor receptor isoform 3
NCBI Official Synonym Full Names	neurotrophic receptor tyrosine kinase 1
NCBI Official Symbol	NTRK1
NCBI Official Synonym Symbols	MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA
NCBI Protein Information	high affinity nerve growth factor receptor
UniProt Protein Name	High affinity nerve growth factor receptor
UniProt Gene Name	NTRK1
UniProt Synonym Gene Names	; Trk-A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ntrk1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/233816>