

Rabbit anti-Rat, Human NTRK3/TRKC Polyclonal Antibody | anti-NTRK3 antibody

NTRK3/TRKC Rabbit anti-Human Polyclonal (C-Terminus) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162647	Rabbit	Rat, Human	Western Blot, Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

NTRK3/TRKC; Polyclonal Antibody; NTRK3/TRKC Rabbit anti-Human Polyclonal (C-Terminus) Antibody; PathPlus NTRK3/TRKC Antibody (C-Terminus); NTRK3; ETV6-NTRK3 fusion; gp145-TrkC; Neurotrophin 3 receptor; TRKC; TrkC tyrosine kinase; NT-3 growth factor receptor; NT3 growth factor receptor; Tyrosine kinase receptor C; Pan Trk; gp145(trkC); Trk-C; anti-NTRK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human NTRK3/TRKC
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.09% sodium azide, 2% sucrose
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-NTRK3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human NTRK3/TRKC
Immunogen	Synthetic peptide from C-Terminus of human NTRK3 (Q16288-3, NP_002521). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Monkey, Galago, Marmoset, Mouse, Rat, Elephant, Dog, Bovine, Bat, Horse, Pig, Opossum, Turkey, Chicken, Xenopus (100%); Guinea pig, Zebrafish (92%); Lizard (84%).
Conjugation	Unconjugated
Epitope	C-Terminus
Family	Protein Kinase
Subfamily	Trk/Ror
Preparation and Storage	Short term: Store at 2-8 degree C. Long term: Aliquot and store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

NTRK3/TRKC Antibody-Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

NTRK3/TRKC Antibody-Fetal liver lysate. Antibody concentration: 1.0 ug/ml. Gel concentration: 12%. This image was taken for the unconjugated form of this product. Other forms have not been tested.

ADDITIONAL INFORMATION

Related Product Information for anti-NTRK3 antibody	TRKC antibody is an unconjugated rabbit polyclonal antibody to TRKC (NTRK3)(C-Terminus) from human. It is reactive with human, mouse, rat and other species. Validated for IHC and WB. NTRK3 (TRK3, Tropomyosin receptor kinase C) is a neurotrophic tyrosine kinase receptor for neurotrophin NT-3. NTRK3 functions in the differentiation and survival of neurons. NTRK3 is also involved in regulating eating behavior and genetic variants in NTRK3 are associated with eating disorders. NTRK3 seems to be important for the development and plasticity of brain systems related to emotionality, and dosage imbalance of NTRK3 expression (and inter-individual variability in expression) may determine susceptibility to panic disorders and other related diseases. In congenital mesoblastic nephroma, NTRK3-ETV6 gene fusions commonly occur in the cellular histological type of mesoblastic nephroma and are associated with greater relapse-free survival. In immunohistochemistry, NTRK3 has highest nuclear and cytoplasmic positivity in the cerebral cortex in the brain, and it is also found throughout the central nervous system and at lower levels throughout the body.
References	Pediatr Blood Cancer. 2018 Apr;65(4), PMID: 29286563; Human Molecular Genetics. 2008. 17(9): 1234 -1244, DOI: 10.1093/hmg/ddn013; Genes Brain Behav. 2007 Jun; 6 Suppl 1:2-23, PMID: 17543035

NCBI AND UNIPROT INFORMATION

NCBI GI #	59889560
NCBI GeneID	4916
NCBI Accession #	NP_002521.2
NCBI GenBank Nucleotide #	NM_002530
UniProt Accession #	Q16288; O75682; Q12827; Q16289; B7Z4C5; E9PG56; H0YND1
Molecular Weight	91,833 Da
NCBI Official Full Name	NT-3 growth factor receptor isoform b
NCBI Official Synonym Full Names	neurotrophic tyrosine kinase, receptor, type 3
NCBI Official Symbol	NTRK3
NCBI Official Synonym Symbols	TRKC; gp145(trkC)
NCBI Protein Information	NT-3 growth factor receptor; GP145-TrkC; ETV6-NTRK3 fusion; tyrosine kinase receptor C; ETS related protein-neurotrophic receptor tyrosine kinase fusion protein
UniProt Protein Name	NT-3 growth factor receptor
UniProt Gene Name	NTRK3
UniProt Synonym Gene Names	TRKC; Trk-C
UniProt Entry Name	NTRK3_HUMAN

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.