

Rabbit Trk C Polyclonal Antibody | anti-Trk C antibody

Phospho-Trk C (Tyr705) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328528	Rabbit	Human, Mouse, Rat, Monkey Predicted: Pig, Bovine, Horse, Chicken	ELISA, Immunohistochemistry, Western Blot

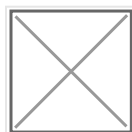
PRODUCT SYNONYMS

Trk C; Polyclonal Antibody; Phospho-Trk C (Tyr705) Antibody; EC 2.7.10.1; ETS related protein neurotrophic receptor tyrosine kinase fusion; ETS related protein neurotrophic receptor tyrosine kinase fusion protein; ETV6 NTRK3 fusion; GP145 TrkC; gp145(trkC); GP145-TrkC; GP145TrkC; Neurotrophic tyrosine kinase receptor type 3; Neurotrophin 3 receptor; NT 3 growth factor receptor; NT 3 growth factor receptor precursor; NT 3 receptor; NT-3 growth factor receptor; Ntrk3; NTRK3_HUMAN; OTTHUMP00000192915; TRK C; Trk-C; TRKC; TrkC tyrosine kinase; Tyrosine kinase receptor C; anti-Trk C antibody

PRODUCT SPECIFICATIONS

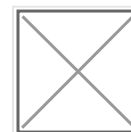
Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey Predicted: Pig, Bovine, Horse, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Trk C (Tyr705) Antibody detects endogenous levels of Trk C only when phosphorylated at Tyr705.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	839
Applicable Applications for anti-Trk C antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Trk C around the phosphorylation site of Tyr705.
Tissue Specificity	Widely expressed but mainly in nervous tissue. Isoform 2 is expressed at higher levels in adult brain than in fetal brain.
Conjugate	Unconjugated
Subcellular Location	Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-Trk C (Tyr705) in lysates of HeLa serum 20% 15', using Phospho-Trk C (Tyr705) Antibody.



WB (Western Blot)

Western blot analysis of extracts from various samples, using Phospho-Trk C (Tyr705) Antibody. Lane 1: COS-7 uv treated, treated with blocking peptide; Lane 2: COS-7 uv treated; Lane 3: VERO heat shock treated.



IHC (Immunohistochemistry)

At 1/100 staining rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-Trk C antibody	Description: Receptor tyrosine kinase involved in nervous system and probably heart development. Upon binding of its ligand NTF3/neurotrophin-3, NTRK3 autophosphorylates and activates different signaling pathways, including the phosphatidylinositol 3-kinase/AKT and the MAPK pathways, that control cell survival and differentiation.
	Post Translational Modifications: Ligand-mediated auto-phosphorylation.
	Subunit Structure: Exists in a dynamic equilibrium between monomeric (low affinity) and dimeric (high affinity) structures (By similarity). Binds SH2B2. Interacts with SQSTM1 and KIDINS220 (By similarity). Interacts with PTPRS (PubMed:25385546).
	Similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	59889562
NCBI GeneID	4916
NCBI Accession #	NP_001012338.1
NCBI GenBank Nucleotide #	NP_001012338.1
UniProt Accession #	Q16288
Molecular Weight	Observed: 94 kDa Predicted: 95 kDa
NCBI Official Full Name	NT-3 growth factor receptor isoform a
NCBI Official Synonym Full Names	neurotrophic receptor tyrosine kinase 3
NCBI Official Symbol	NTRK3
NCBI Official Synonym Symbols	TRKC; GP145-TrkC; gp145(trkC)
NCBI Protein Information	NT-3 growth factor receptor
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.