## Immunotag™ Trk A (phospho Tyr701) Polyclonal Antibody

Antibody Specification	
Catalog No.	ITP0777
Product Description	Immunotag™ Trk A (phospho Tyr701) Polyclonal Antibody
Size	50 μg, 100 μg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot eligible for return.
Target Protein	Trk A (Tyr701)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Trk A (phospho Tyr701)
Specificity	Phospho-Trk A (Y701) Polyclonal Antibody detects endogenous levels of Trk A protein only when phosp
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-spec
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	NTRK1
Accession No.	P04629 Q3UFB7 P35739
Alternate Names	NTRK1; MTC; TRK; TRKA; High affinity nerve growth factor receptor; Neurotrophic tyrosine kinase receptors tyrosine kinase protein; Tropomyosin-related kinase A; Tyrosine kinase receptor; Tyrosine kinase receptors

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neurotrophic receptor tyrosine kinase 1(NTRK1) Homo sapiens This gene encodes a member of the neu (NTKR) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphoryla MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifyin Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutila and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have [provided by RefSeq, Jul 2008],	
MAPK_ERK_Growth,MAPK_G_Protein,Endocytosis,Apoptosis_Inhibition,Apoptosis_Mitochondrial,Apoptosi in cancer,Thyroid cancer,	
Brain,Colon,Peripheral blood,	
endosome,early endosome,late endosome,plasma membrane,integral component of plasma membrane surface,axon,dendrite,cytoplasmic vesicle,early endosome membrane,late endosome membrane,neuro	
Both isoforms have similar biological properties, catalytic activity:ATP + a [protein]-L-tyrosine = ADP + phosphate., caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline a preliminary data., disease:Chromosomal aberrations involving NTRK1 are a cause of thyroid papillary ca Intrachromosomal rearrangement that links the protein kinase domain of NTRK1 to the 5'-end of the TF TRK-T1. TRK-T1 is a 55 kDa protein reacting with antibodies against the C-terminus of the NTRK1 prote aberrations involving NTRK1 are a cause of thyroid papillary carcinoma (PACT) [MIM:188550]. Transloc generates the TRKT3 (TRK-T3) transcript by fusing TFG to the 3'-end of NTRK1; a rearrangement with T by fusing TPM3 to the 3'-end of NTRK1., disease:Defects in NTRK1 are a cause of congenital insensitivity [MIM:256800]. CIPA is characterized by a congenital insensitivity to pain, anhidrosis (absence of sweati noxious stimuli, self-mutilating behavior, and mental retardation. This rare autosomal recessive disorde sensory neuropathy with anhidrosis or hereditary sensory and autonomic neuropathy type IV or familia II.,domain:The extracellular domain mediates interaction with NGFR.,domain:The transmembrane doma KIDINS220.,function:Required for high-affinity binding to nerve growth factor (NGF), neurotrophin-3 and derived neurotrophic factor (BDNF). Known substrates for the Trk receptors are SHC1, PI 3-kinase, and in the development and function of the nociceptive reception system as well as establishment of therm Activates ERK1 by either SHC1- or PLC-gamma-1-dependent signaling pathway.,PTM:Ligand-mediated with SQSTM1 is phosphotyrosine-dependent.,similarity:Belongs to the protein kinase superfamily. Tyr pfamily.,similarity:Belongs to the protein kinase superfamily. Tyr pfamily.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase domain.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,similarity:Crepeats.,subcellular location:Endocytosed to the endosomes upon treatment of	
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