Rabbit Anti-NTRK1 Polyclonal Antibody

CPB-837RH Rabbit(NTRK1)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-NTRK1 Polyclonal Antibody
Antigen Description	Required for high-affinity binding to nerve growth factor (NGF), neurotrophin-3 and neurotrophin-4/5 but not brain-derived neurotrophic factor (BDNF). Known substrates for the Trk receptors are SHC1, PI 3-kinase, and PLC-gamma-1. Has a crucial role in the development and function of the nociceptive reception system as well as establishment of thermal regulation via sweating. Activates ERK1 by either SHC1-or PLC-gamma-1-dependent signaling pathway.
specificity	The antibody detects endogenous level of NTRK1 only when phosphorylated at tyrosine 791.
Target	NTRK1
Immunogen	Peptide sequence around phosphorylation site of tyrosine791 (P-V-Y(p)-L-D) derived from Human NTRK1.
Host	Rabbit
Species	Human
Cross Reactivity	Human
conjugation	N/A
Applications	IFA

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	NTRK1 neurotrophic tyrosine kinase, receptor, type 1 [Homo sapiens]
Official Symbol	NTRK1
Synonyms	NTRK1; neurotrophic tyrosine kinase, receptor, type 1; high affinity nerve growth factor receptor; MTC; TRK; TRKA; gp140trk; Oncogene TRK; tyrosine kinase receptor A; tropomyosin-related kinase A; TRK1-transforming tyrosine kinase protein; TRK1; Trk-A; p140-TrkA; DKFZp781I14186;
GeneID	4914
mRNA Refseq	NM_001007792
Protein Refseq	NP_001007793
MIM	191315
UniProt ID	P04629
Chromosome Location	1q21-q22

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Pathway	ARMS-mediated activation, organism-specific biosystem; Activation of TRKA receptors, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Frs2-mediated activation, organism-specific biosystem;
Function	ATP binding; nerve growth factor binding; NOT nerve growth factor binding; nerve growth factor receptor activity; neurotrophin binding; nucleotide binding; protein binding; protein homodimerization activity; receptor activity; transmembrane receptor protein tyrosine kinase activity;

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