Rabbit Anti-NTRK2 Polyclonal Antibody

CPB-839RH Rabbit(NTRK2)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-NTRK2 Polyclonal Antibody
Antigen Description	Receptor for brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5 but not nerve growth factor (NGF). Involved in the development and/or maintenance of the nervous system. This is a tyrosine-protein kinase receptor. Known substrates for the TRK receptors are SHC1,PI-3 kinase, and PLC-gamma-1.
specificity	The antibody detects endogenous level of NTRK2 only when phosphorylated at tyrosine 705.
Target	NTRK2
Immunogen	Peptide sequence around phosphorylation site of tyrosine 705 (T-D-Y P-Y-R) derived from Human NTRK2.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	WB

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	NTRK2 neurotrophic tyrosine kinase, receptor, type 2 [Homo sapiens]
Official Symbol	NTRK2
Synonyms	NTRK2; neurotrophic tyrosine kinase, receptor, type 2; BDNF/NT-3 growth factors receptor; TRKB; trkB tyrosine kinase; tyrosine kinase receptor B; tropomyosin-related kinase B; BDNF-tropomyosine receptor kinase B; trk-B; GP145-TrkB;
GeneID	4915
mRNA Refseq	NM_001007097
Protein Refseq	NP_001007098
MIM	600456
UniProt ID	Q16620
Chromosome Location	9q22.1

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Pathway	Activation of TRKA receptors, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; NGF signalling via TRKA from the plasma membrane, organism-specific biosystem; NGF-independant TRKA activation, organism-specific biosystem; Neurotrophic factor-mediated Trk receptor signaling, organism-specific biosystem; Neurotrophin signaling pathway, organism-specific biosystem;
Function	ATP binding; brain-derived neurotrophic factor binding; brain-derived neurotrophic factor-activated receptor activity; neurotrophin-3 binding; neurotrophin-4/5 binding; nucleotide binding; protein homodimerization activity; receptor activity;

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