Rabbit Anti-PAK1 Polyclonal Antibody

CPB-710RH Rabbit(PAK1)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-PAK1 Polyclonal Antibody
Antigen Description	The activated kinase acts on a variety of targets. Likely to be the GTPase effect or that links the Rho-related GTPases to the JNK MAP kinase pathway. Activated by CDC42 and RAC1. Involved in dissolution of stress fibers and reorganization of focal complexes. Involved in regulation of microtubule biogenesis through phosphorylation of TBCB.
specificity	The antibody detects endogenous level of PAK1 only when phosphorylated at threonine 212.
Target	PAK1
Immunogen	Peptide sequence around phosphorylation site of threonine 212 (P-V-T(p)-P-T) derived from Human PAK1.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA,WB,IHC

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	PAK1 p21 protein (Cdc42/Rac)-activated kinase 1 [Homo sapiens]
Official Symbol	PAK1
Synonyms	PAK1; p21 protein (Cdc42/Rac)-activated kinase 1; p21/Cdc42/Rac1 activated kinase 1 (STE20 homolog, yeast) , p21/Cdc42/Rac1 activated kinase 1 (yeast Ste20 related); serine/threonine-protein kinase PAK 1; STE20 homolog; yeast; p65-PAK; alpha-PAK; STE20 homolog, yeast; p21/Cdc42/Rac1 -activated kinase 1 (yeast Ste20-related); p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast); PAKalpha; MGC130000; MGC130001;
GeneID	5058
mRNA Refseq	NM_001128620
Protein Refseq	NP_001122092
MIM	602590
UniProt ID	Q13153
Chromosome Location	11q13-q14

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Pathway	Activation of Rac, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Aurora A signaling, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Function	ATP binding; collagen binding; nucleotide binding; protein binding; contributes_to protein binding; protein kinase activity; protein serine/threonine kinase activity;

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