Rabbit Anti-RPS6KA5 Polyclonal Antibody

CPB-1089RH Rabbit(RPS6KA5)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-RPS6KA5 Polyclonal Antibody
Antigen Description	Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (CAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA transcriptional activity in response to TNF. Directly represses transcription via phosphorylation of 'Ser-1'of histone H2A. Phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and epidemal growth-factor (EGF), which results in the transcriptional activation of several immediate early genes, including proto-oncogenes c-fos/FOS and c-jun/JUN. May also phosphorylate 'Ser-28' of histone H3. Mediates the mitogen- and stress-induced phosphorylation of high mobility group protein 14 (HMG-14).
specificity	The antibody detects endogenous level of total RPS6KA5 protein.
Target	RPS6KA5
Immunogen	Peptide sequence around aa.374-378 (G-Y-S-F-V) derived from Human RPS6KA5
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	RPS6KA5 ribosomal protein S6 kinase, 90kDa, polypeptide 5 [Homo sapiens]
Official Symbol	RPS6KA5
Synonyms	RPS6KA5; ribosomal protein S6 kinase, 90kDa, polypeptide 5; ribosomal protein S6 kinase, 90kD, polypeptide 5; ribosomal protein S6 kinase alpha-5; MSK1; RLPK; RSKL; S6K-alpha-5; RSK-like protein kinase; 90 kDa ribosomal protein S6 kinase 5; nuclear mitogen- and stress-activated protein kinase 1; MSPK1; MGC1911;
GeneID	9252
mRNA Refseq	NM_004755
Protein Refseq	NP_004746
MIM	603607
UniProt ID	O75582

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Chromosome Location	14q31-q32.1
Pathway	Activated TLR4 signalling, organism-specific biosystem; Axon guidance, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; CREB phosphorylation, organism-specific biosystem; Developmental Biology, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem;
Function	ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity;

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