Rabbit Anti-RPS6KA4 Polyclonal Antibody

CPB-1906RH Rabbit(RPS6KA4)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-RPS6KA4 Polyclonal Antibody
Antigen Description	Mitogen- and stress-activated protein kinases (MSK2) is nuclear kinase that act downstream of mitogen-activated protein/extracellular signal-regulated kinase pathways. It contains two kinase domains in the N-terminal and C-terminal region, respectively. MSK2 is activated in response to mitogenic stimuli via Erk1/2MAPK pathway and also by stress stimuli via p38MAPK pathway. Signals from mitogens and cellular stresses are involved in many functions including cell proliferation, differentiation, and survival through the phosphorylation of cyclic AMP response element-binding protein (CREB) at Ser133 which is catalyzed by MSK2. Recently, MSK2 has been shown to be required for stress-induced phosphorylation of histone H3-Ser and transcriptional activation of several immediate early genes.
specificity	Human
Target	RPS6KA4
Immunogen	Synthetic peptide
Host	Rabbit
Isotype	IgG
Species	Human
conjugation	N/A
Applications	WB,IHC

PACKAGING

Storage	Store for 1 year at -20°C from date of shipment

ANTIGEN GENE INFORMATION

Gene Name	RPS6KA4 ribosomal protein S6 kinase, 90kDa, polypeptide 4 [Homo sapiens]
Official Symbol	RPS6KA4
Synonyms	RPS6KA4; ribosomal protein S6 kinase, 90kDa, polypeptide 4; ribosomal protein S6 kinase, 90kD, polypeptide 4; ribosomal protein S6 kinase alpha-4; MSK2; RSK B; RSKB; S6K-alpha-4; ribosomal protein kinase B; ribosomal protein S6 kinase alpha 4; 90 kDa ribosomal protein S6 kinase 4; mitogen- and stress-activated protein kinase 2; nuclear mitogen- and stress-activated protein kinase 2; RSK-B;
GeneID	8986
mRNA Refseq	NM_001006944
Protein Refseq	NP_001006945
MIM	603606
UniProt ID	O75676
Chromosome Location	11q11-q13

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Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; L1CAM interactions, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;
Function	ATP binding; magnesium ion binding; mitogen-activated protein kinase p38 binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; ribosomal protein S6 kinase activity;

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