Rabbit Anti-CREB1 Polyclonal Antibody

CPB-1177RH Rabbit(CREB1)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-CREB1 Polyclonal Antibody
Antigen Description	This protein binds the cAMP response element (CRE), a sequence present in many viral and cellular promoters. CREB stimulates transcription on binding to the CRE. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Implicated in synchronization of circadian rhythmicity.
specificity	The antibody detects endogenous level of total CREB1 protein.
Target	CREB1
Immunogen	Peptide sequence around aa. 140~144 (D-L-S-S-D) derived from Human CREB1.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	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	CREB1 cAMP responsive element binding protein 1 [Homo sapiens]
Official Symbol	CREB1
Synonyms	CREB1; cAMP responsive element binding protein 1; cyclic AMP-responsive element-binding protein 1; CREB-1; transactivator protein; active transcription factor CREB; cAMP-response element-binding protein-1; cAMP-responsive element-binding protein 1; CREB; MGC9284;
GeneID	1385
mRNA Refseq	NM_004379
Protein Refseq	NP_004370
MIM	123810
UniProt ID	P16220
Chromosome Location	2q34

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Pathway	AKT phosphorylates targets in the nucleus, organism-specific biosystem; ATF-2 transcription factor network, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem;
Function	RNA polymerase II activating transcription factor binding; RNA polymerase II distal enhancer sequence-specific DNA binding; RNA polymerase II transcription factor binding transcription factor activity involved in positive regulation of transcription; cAMP response element binding; double-stranded DNA binding; protein binding; protein dimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription cofactor activity; transcription factor binding;

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