

## Rabbit Anti-CREB1 Polyclonal Antibody

CPB-964RH Rabbit(CREB1)

Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-CREB1 Polyclonal Antibody
<b>Antigen Description</b>	CREB (cAMP response element-binding) proteins are transcription factors which bind to certain sequences called cAMP response elements (CRE) in DNA and thereby increase or decrease the transcription of certain genes. CREB is highly related (in structure and function) to CREM (cAMP response element modulator) and ATF-1 (activating transcription factor-1) proteins.
<b>specificity</b>	The antibody detects endogenous level of total CREB1 protein.
<b>Target</b>	CREB1
<b>Immunogen</b>	Peptide sequence around aa.131~135 (R-P-S-Y-R) derived from Human CREB1.
<b>Host</b>	Rabbit
<b>Species</b>	Human
<b>Cross Reactivity</b>	Human; Mouse; Rat
<b>conjugation</b>	N/A
<b>Applications</b>	WB, IHC

### PACKAGING

<b>Format</b>	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at -20°C / 1 year

### ANTIGEN GENE INFORMATION

<b>Gene Name</b>	<a href="#">CREB1 cAMP responsive element binding protein 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CREB1
<b>Synonyms</b>	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;
<b>GeneID</b>	<a href="#">1385</a>
<b>mRNA Refseq</b>	<a href="#">NM_004379</a>
<b>Protein Refseq</b>	<a href="#">NP_004370</a>
<b>MIM</b>	<a href="#">123810</a>
<b>UniProt ID</b>	P16220
<b>Chromosome Location</b>	2q34

**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;