

Rabbit anti-Human, Rat CREB Polyclonal Antibody | anti-CREB1 antibody

Anti-CREB Antibody

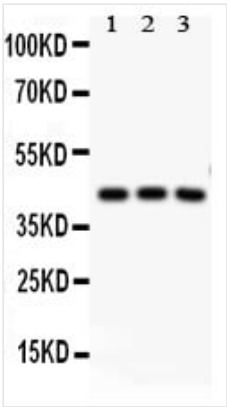
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45699	Rabbit	Human, Rat	Western Blot

PRODUCT SYNONYMS

CREB; Polyclonal Antibody; Anti-CREB Antibody; Cyclic AMP-responsive element-binding protein 1; cAMP responsive element binding protein 1; Active transcription factor CREB antibody; cAMP response element binding protein 1 antibody; cAMP response element binding protein antibody; cAMP responsive element binding protein 1 antibody; cAMP-responsive element-binding protein 1 antibody; CREB 1 antibody; CREB antibody; CREB-1 antibody; CREB1 antibody; CREB1_HUMAN antibody; Cyclic AMP-responsive element-binding protein 1 antibody; MGC9284 antibody; OTTHUMP00000163864 antibody; OTTHUMP00000163865 antibody; OTTHUMP00000206660 antibody; OTTHUMP00000206662 antibody; OTTHUMP00000206667 antibody; Transactivator protein antibody; anti-CREB1 antibody

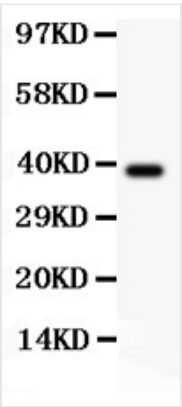
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	341
Applicable Applications for anti-CREB1 antibody	WB (Western Blot)
Immunogen	E Coli-derived human CREB recombinant protein (Position: M1-T177). Human CREB shares 99% and 98% amino acid (aa) sequences identity with mouse and rat CREB, respectively.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



Application Data

Anti-CREB Picoband antibody, AAA45699-2.jpgAll lanes: Anti CREB (AAA45699) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 50ugLane 2: Rat Brain Tissue Lysate at 50ugLane 3: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 43KDObserved bind size: 43KD



Application Data

Anti-CREB Picoband antibody, AAA45699-1.jpgAll lanes: Anti CREB (AAA45699) at 0.5ug/mlWB: Recombinant Human CREB Protein 0.5ngPredicted bind size: 38KDObserved bind size: 38KD

ADDITIONAL INFORMATION

Related Product Information for anti-CREB1 antibody

Description: Rabbit IgG polyclonal antibody for Cyclic AMP-responsive element-binding protein 1(CREB1) detection. Tested with WB in Human, Rat.

Background: CREB1, also known as cAMP responsive element binding protein 1, is a protein that in humans is encoded by the CREB1 gene. It is mapped to 2q33.3. This protein binds the cAMP response element, a DNA nucleotide sequence present in many viral and cellular promoters. The binding of CREB1 stimulates transcription. This protein is a CREB transcription factor that is a member of the leucine zipper family of DNA-binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117434
NCBI GeneID	1385
UniProt Accession #	P16220; P21934; Q6V963; Q9UMA7
Molecular Weight	25,445 Da
NCBI Official Full Name	Cyclic AMP-responsive element-binding protein 1
NCBI Official Synonym Full Names	cAMP responsive element binding protein 1
NCBI Official Symbol	CREB1
NCBI Official Synonym Symbols	CREB
NCBI Protein Information	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
UniProt Protein Name	Cyclic AMP-responsive element-binding protein 1
UniProt Gene Name	CREB1
UniProt Synonym Gene Names	CREB-1; cAMP-responsive element-binding protein 1
UniProt Entry Name	CREB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

