

Rabbit anti-Human Cyclic AMP-responsive element-binding protein 3 Polyclonal Antibody | anti-CREB3 antibody

Rabbit anti-human Cyclic AMP-responsive element-binding protein 3 polyclonal Antibody(CREB3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119730	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

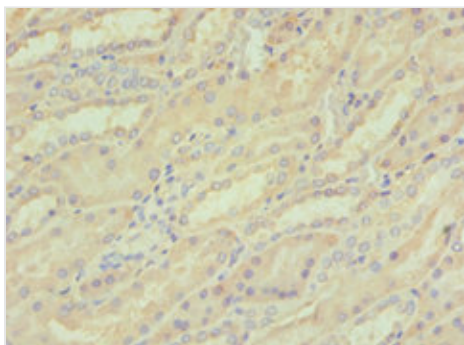
PRODUCT SYNONYMS

Cyclic AMP-responsive element-binding protein 3; Polyclonal Antibody; Rabbit anti-human Cyclic AMP-responsive element-binding protein 3 polyclonal Antibody(CREB3); CREB-3; cAMP-responsive element-binding protein 3; Leucine zipper protein; Luman; Transcription factor LZIP-alpha; N-terminal Luman; Transcriptionally active form; CREB3; LZIP; anti-CREB3 antibody

PRODUCT SPECIFICATIONS

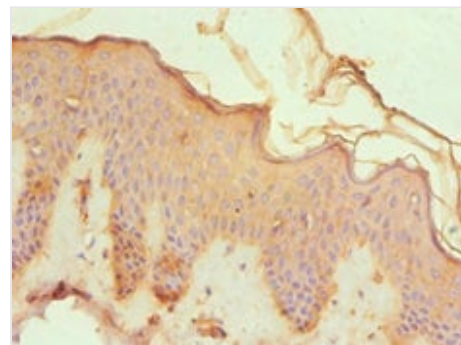
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	371
Applicable Applications for anti-CREB3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Cyclic AMP-responsive element-binding protein 3 protein(1-230aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-25073 / sc-25071
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



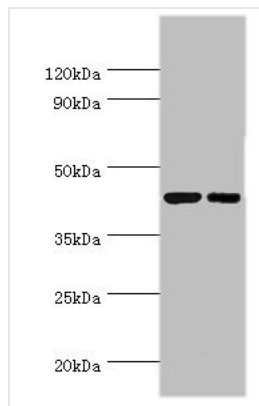
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA119730 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human skin using AAA119730 at dilution 1:100



WB (Western Blot)

All lanes: Cyclic AMP-responsive element-binding protein 3 antibody at 6ug/mL Lane 1: Jurkat whole cell lysate Lane 2: HepG2 whole cell lysate Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 44,42,40 kDa Observed band size: 44 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CREB3 antibody	Endoplasmic reticulum (ER)-bound transcription factor that plays a role in the unfolded protein response (UPR). Involved in cell proliferation and migration, tumor suppression and inflammatory gene expression. Plays also a role in the human immunodeficiency virus type 1 (HIV-1) virus protein expression and in the herpes simplex virus-1 (HSV-1) latent infection and reactivation from latency. Isoform 2 plays a role in the unfolded protein response (UPR). Isoform 2 acts as a positive regulator of LKN-1/CCL15-induced chemotaxis signaling of leukocyte cell migration. Isoform 2 may play a role as a cellular tumor suppressor that is targeted by the hepatitis C virus (HCV) core protein. Isoform 2 represses the VP16-mediated transactivation of immediate early genes of the HSV-1 virus by sequestering host cell factor-1 HCFC1 in the ER membrane of sensory neurons, thereby preventing the initiation of the replicative cascade leading to latent infection. Isoform 3 functions as a negative transcriptional regulator in ligand-induced transcriptional activation of the glucocorticoid receptor NR3C1 by recruiting and activating histone deacetylases (HDAC1, HDAC2 and HDAC6). Isoform 3 decreases the acetylation level of histone H4. Isoform 3 does not promote the chemotactic activity of leukocyte cells. Processed cyclic AMP-responsive element-binding protein 3: acts as a transcription factor that activates unfolded protein response (UPR) target genes during endoplasmic reticulum (ER) stress response. Promotes cell survival against ER stress-induced apoptotic cell death during UPR. Activates transcription from CRE and C/EBP-containing reporter genes. Induces transcriptional activation of chemokine receptors. Activates transcription of genes required for reactivation of the latent HSV-1 virus. Down-regulates Tat-dependent transcription of the HIV-1 LTR by interacting with HIV-1 Tat. Its transcriptional activity is inhibited by CREBZF in a HCFC1-dependent manner, by the viral transactivator protein VP16 and by the HCV core protein. Binds DNA to the cAMP response element (CRE) (consensus: 5'-GTGACGT[AG][AG]-3') and C/EBP sequences present in many viral and cellular promoters. Binds to the unfolded protein response element (UPRE) consensus sequences sites. Binds DNA to the 5'-CCAC[GA]-3' half of ERSE II (5'-ATTGG-N-CCACG-3'). Associates with chromatin to the HERPUD1 promoter.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22219462
NCBI GeneID	10488
NCBI Accession #	NP_006359.3
NCBI GenBank Nucleotide #	NM_006368.4
UniProt Accession #	O43889; O14671; O14919; Q5TCV1; Q96GK8; Q9H2W3; Q9UE77; D0PTW6
Molecular Weight	39,580 Da
NCBI Official Full Name	cyclic AMP-responsive element-binding protein 3
NCBI Official Synonym Full Names	cAMP responsive element binding protein 3
NCBI Official Symbol	CREB3
NCBI Official Synonym Symbols	LZIP; LUMAN; sLZIP

NCBI Protein Information	cyclic AMP-responsive element-binding protein 3
UniProt Protein Name	Cyclic AMP-responsive element-binding protein 3
UniProt Gene Name	CREB3
UniProt Synonym Gene Names	LZIP; CREB-3; cAMP-responsive element-binding protein 3; N-terminal Luman; Transcriptionally active form
UniProt Entry Name	CREB3_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyclic-amp-responsive-element-binding-protein-3-antibody-immunohistochemistry-western-blot-elisa/119730>