

Rabbit CREB3L2 Polyclonal Antibody | anti-CREB3L2 antibody

CREB3L2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325304	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

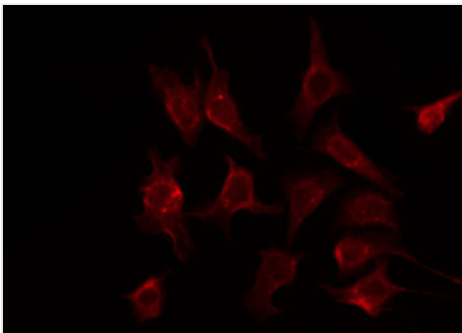
PRODUCT SYNONYMS

CREB3L2; Polyclonal Antibody; CREB3L2 Antibody; B ZIB transcription factor; Basic transcription factor 2; BBF2 human homolog on chromosome 7; BBF2H7; BZIB transcription factor; cAMP responsive element binding protein 3 like 2; cAMP-responsive element-binding protein 3-like protein 2; CR3L2_HUMAN; Creb3l2; Cyclic AMP-responsive element-binding protein 3-like protein 2; FUS/BBF2H7 protein; MGC131709; MGC71006; Processed cyclic AMP-responsive element-binding protein 3-like protein 2; TCAG_1951439; anti-CREB3L2 antibody

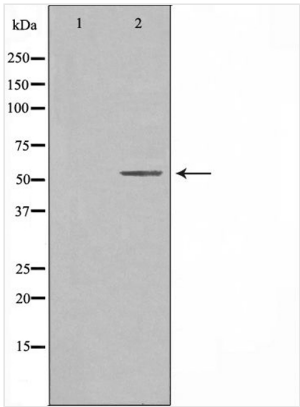
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CREB3L2 antibody detects endogenous levels of total CREB3L2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	248
Applicable Applications for anti-CREB3L2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane and Nucleus. Under ER stress the cleaved N-terminal cytoplasmic domain translocates into the nucleus.
Tissue Specificity	Widely expressed with highest levels in placenta, lung, spleen and intestine, and lowest levels in heart, brain, skeletal muscle, thymus, colon and leukocytes. In fetal tissues, the weakest expression is detected in brain and heart.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Horse (82%), Sheep (91%), Rabbit (82%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA325304 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using CREB3L2 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CREB3L2 antibody	Function: Transcription factor involved in unfolded protein response (UPR). In the absence of endoplasmic reticulum (ER) stress, inserted into ER membranes, with N-terminal DNA-binding and transcription activation domains oriented toward the cytosolic face of the membrane. In response to ER stress, transported to the Golgi, where it is cleaved in a site-specific manner by resident proteases S1P/MBTPS1 and S2P/MBTPS2. The released N-terminal cytosolic domain is translocated to the nucleus to effect transcription of specific target genes. Plays a critical role in chondrogenesis by activating the transcription of SEC23A, which promotes the transport and secretion of cartilage matrix proteins, and possibly that of ER biogenesis-related genes (By similarity). In a neuroblastoma cell line, protects cells from ER stress-induced death (PubMed:17178827). In vitro activates transcription of target genes via direct binding to the CRE site (PubMed:17178827). Subunit Structure: Binds DNA as a dimer. Post-translational Modifications: Upon ER stress, translocated to the Golgi apparatus, where it is processed by regulated intramembrane proteolysis (RIP) to release the cytosol-facing N-terminal transcription factor domain. The cleavage is performed sequentially by site-1 and site-2 proteases (S1P/MBTPS1 and S2P/MBTPS2). N-glycosylated. Ubiquitinated by HRD1/SYVN1; undergoes 'Lys-48'-linked ubiquitination, followed by rapid proteasomal degradation under normal conditions. Upon ER stress, SYVN1 E3 ubiquitin-protein ligase dissociates from its substrate, ubiquitination does not occur and CREB3L2 is stabilized. Similarity: Belongs to the bZIP family. ATF subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	359339005
NCBI GeneID	64764
NCBI Accession #	NP_001240704.1
NCBI GenBank Nucleotide #	NM_001253775.1
UniProt Accession #	Q70SY1; Q6P454; Q6ZMR6
Molecular Weight	Observed: 58 kD Predicted: 58 kDa
NCBI Official Full Name	cyclic AMP-responsive element-binding protein 3-like protein 2 isoform 2
NCBI Official Synonym Full Names	cAMP responsive element binding protein 3 like 2
NCBI Official Symbol	CREB3L2
NCBI Official Synonym Symbols	BBF2H7
NCBI Protein Information	cyclic AMP-responsive element-binding protein 3-like protein 2

UniProt Protein Name	Cyclic AMP-responsive element-binding protein 3-like protein 2
UniProt Gene Name	CREB3L2
UniProt Synonym Gene Names	BBF2H7; cAMP-responsive element-binding protein 3-like protein 2

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/creb3l2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325304>