

Rabbit anti-Human CREB3L1 Polyclonal Antibody | anti-CREB3L1 antibody

CREB3L1 Antibody

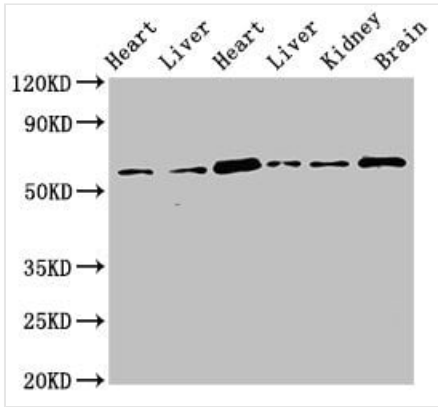
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233016	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

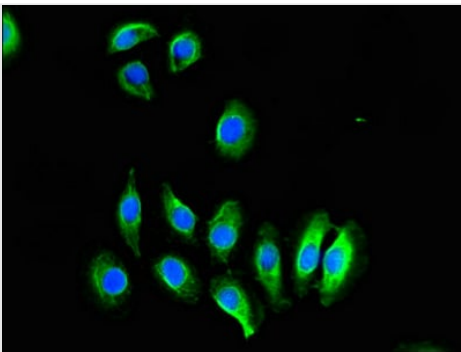
CREB3L1; Polyclonal Antibody; CREB3L1 Antibody; Cyclic AMP-responsive element-binding protein 3-like protein 1; cAMP-responsive element-binding protein 3-like protein 1; Old astrocyte specifically-induced substance; OASIS; Processed cyclic AMP-responsive element-binding protein 3-like protein 1; PSEC0238; anti-CREB3L1 antibody

PRODUCT SPECIFICATIONS

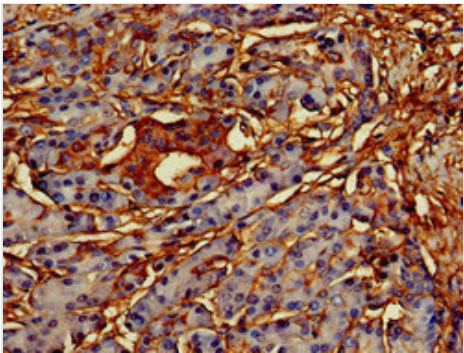
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	519
Applicable Applications for anti-CREB3L1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Cyclic AMP-responsive element-binding protein 3-like protein 1 protein (396-500AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-292483 / sc-69365 / sc-69367
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.



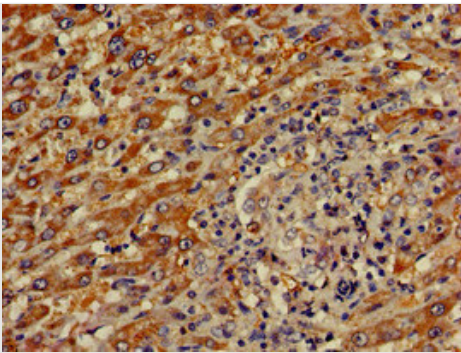
WB (Western Blot)
Western BlotPositive WB detected in: Rat heart tissue,Rat liver tissue,Mouse heart tissue,Mouse liver tissue,Mouse kidney tissue,Mouse brain tissueAll lanes: CREB3L1 antibody at 3.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 58,48 KDaObserved band size: 58 KDa



IHC (Immunohistochemisry)
Immunofluorescent analysis of A549 cells using AAA233016 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human pancreatic tissue using AAA233016 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver cancer using AAA233016 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-CREB3L1 antibody	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 bone formation through the transcription of COL1A1, and possibly COL1A2, and the secretion of bone matrix proteins. Directly binds to the UPR element (UPRE)-like sequence in an osteoblast-specific COL1A1 promoter region and induces its transcription. Does not regulate COL1A1 in other tissues, such as skin (By similarity). Required to protect astrocytes from ER stress-induced cell death. In astrocytes, binds to the cAMP response element (CRE) of the BiP/HSPA5 promoter and participate in its transcriptional activation (By similarity). May play a role in limiting virus spread by inhibiting proliferation of virus-infected cells. Upon infection with diverse DNA and RNA viruses, inhibits cell-cycle progression by binding to promoters and activating transcription of genes encoding cell-cycle inhibitors, such as p21/CDKN1A (PubMed: 21767813). Binds the DNA consensus sequence 5'-GTGXGCGC-3' (PubMed: 21767813).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16418355
NCBI GeneID	90993
NCBI Accession #	NP_443086.1
NCBI GenBank Nucleotide #	NM_052854.3

UniProt Accession #	Q96BA8 ; Q8N2D5 ; Q96CP0
Molecular Weight	47,783 Da
NCBI Official Full Name	cyclic AMP-responsive element-binding protein 3-like protein 1
NCBI Official Synonym Full Names	cAMP responsive element binding protein 3 like 1
NCBI Official Symbol	CREB3L1
NCBI Official Synonym Symbols	OASIS
NCBI Protein Information	cyclic AMP-responsive element-binding protein 3-like protein 1
UniProt Protein Name	Cyclic AMP-responsive element-binding protein 3-like protein 1
UniProt Gene Name	CREB3L1
UniProt Synonym Gene Names	OASIS; cAMP-responsive element-binding protein 3-like protein 1; OASIS
UniProt Entry Name	CR3L1_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/creb3l1-antibody-immunofluorescence-immunohistochemistry-elisa/233016>