

CREB3L3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21763c

Product Information

Application	WB, E
Primary Accession	Q68CJ9
Reactivity	Human
Predicted	Bovine, Canine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53691
Calculated MW	49077

Additional Information

Gene ID	84699
Other Names	Cyclic AMP-responsive element-binding protein 3-like protein 3, cAMP-responsive element-binding protein 3-like protein 3, Transcription factor CREB-H, Processed cyclic AMP-responsive element-binding protein 3-like protein 3, CREB3L3, CREBH
Target/Specificity	This CREB3L3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 244-274 amino acids of human CREB3L3.
Dilution	WB~~1:1000-1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CREB3L3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CREB3L3
Synonyms	CREBH

Function	Transcription factor that may act during endoplasmic reticulum stress by activating unfolded protein response target genes. Activated in response to cAMP stimulation. In vitro, binds to the cAMP response element (CRE) and box-B element. Activates transcription through box-B element. Activates transcription through CRE (By similarity). May function synergistically with ATF6. In acute inflammatory response, may activate expression of acute phase response (APR) genes. May be involved in growth suppression. Regulates FGF21 transcription (By similarity). Plays a crucial role in the regulation of triglyceride metabolism and is required for the maintenance of normal plasma triglyceride concentrations (PubMed: 21666694).
Cellular Location	Endoplasmic reticulum membrane; Single-pass type II membrane protein
Tissue Location	Exclusively expressed in liver. Underexpressed in hepatocellular carcinoma tissues.

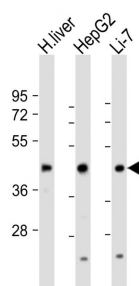
Background

Transcription factor that may act during endoplasmic reticulum stress by activating unfolded protein response target genes. Activated in response to cAMP stimulation. In vitro, binds to the cAMP response element (CRE) and box-B element. Activates transcription through box-B element. Activates transcription through CRE (By similarity). Seems to function synergistically with ATF6. In acute inflammatory response, may activate expression of acute phase response (APR) genes. May be involved in growth suppression.

References

Omori Y.,et al.Nucleic Acids Res. 29:2154-2162(2001).
Yamada S.,et al.Oncogene 23:5901-5911(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



All lanes : Anti-CREB3L3 Antibody (Center) at 1:1000-1:2000 dilution Lane 1: human liver lysate Lane 2: HepG2 whole cell lysate Lane 3: Li-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 49 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.