antibodies .- online.com







anti-CREB3L1 antibody (AA 396-500) (HRP)



()	11/0	K\ /	iew	1
	\cup	ועוי	$\square \vee \vee$	ı

Quantity:	100 μg
Target:	CREB3L1
Binding Specificity:	AA 396-500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CREB3L1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Cyclic AMP-responsive element-binding protein 3-like protein 1 protein (396-500AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CREB3L1
Alternative Name:	CREB3L1 (CREB3L1 Products)
Background:	Background: Transcription factor involved in unfolded protein response (UPR). In the absence

of endoplasmic reticulum (ER) stress, inserted into ER membranes, with N-terminal DNAbinding 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 sitespecific manner by resident proteases S1P/MBTPS1 and S2P/MBTPS2. The released Nterminal 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\'-GTGXGCXGC-3\' (PubMed:21767813).

Aliases: BBF-2 homolog antibody, CAMP responsive element binding protein 3 like 1 antibody, cAMP-responsive element-binding protein 3-like protein 1 antibody, CR3L1_HUMAN antibody, Creb3l1 antibody, Cyclic AMP responsive element binding protein 3 like protein 1 antibody, OASIS antibody, Old astrocyte specifically-induced substance antibody, Processed cyclic AMPresponsive element-binding protein 3-like protein 1 antibody

UniProt:

Q96BA8

Pathways:

Thyroid Hormone Synthesis, Chromatin Binding

Application Details

Application Notes:

Optimal working dilution should be determined by the investigator.

Restrictions:

For Research Use only

Handling

Format:

Liquid

Buffer:

Preservative: 0.03 % Proclin 300

Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative:

ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C,-80 °C	
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	