SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CREB3L2 antibody

Catalog Number: SL14052R

FOR RESEARCH USE ONLY

[DATASHEET]

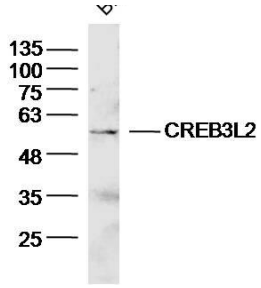
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CREB3L2
Immunogen:	KLH conjugated synthetic peptide derived from human CREB3L2: 251-350/520
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Cow,Rabbit,Sheep)
Predicted MW.:	57kDa
Subcellular Location:	The nucleus
Background:	This gene encodes a member of the oasis bZIP transcription factor family. Members of this family can dimerize but form homodimers only. The encoded protein is a transcriptional activator. Translocations between this gene on chromosome 7 and the gene fused in sarcoma on chromosome 16 can be found in some tumors. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011] **Function:** CREB3L2 is a member of the old astrocyte specifically induced substance (OASIS) DNA binding and basic leucine zipper dimerization (bZIP) family of transcription factors. **Subunit:** Binds DNA as a dimer (By similarity). **Subcellular Location:** Endoplasmic reticulum membrane; Single-pass type II membrane protein. **Tissue Specificity:** Widely expressed with highest levels in placenta, lung, spleen and intestine, and lowest levels in heart, brain, skeletal muscle, thymus,

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	colon and leukocytes. In fetal tissues, the weakest expression is detected in brain and heart. **Post-translational modifications:** Controlled by regulated intramembrane proteolysis (RIP). Following ER stress a fragment containing the cytoplasmic transcription factor domain is released by proteolysis. The cleavage seems to be performed sequentially by site-1 and site-2 proteases (PS1 and PS2). DISEASE: Note=A chromosomal aberration involving CREB3L2 is found in low grade fibromyxoid sarcoma (LGFMS). Translocation t(7;16)(q33;p11) with FUS. **Similarity:** Belongs to the bZIP family. ATF subfamily. Contains 1 bZIP (basic-leucine zipper) domain. **Database links:** **Entrez Gene:** 64764 Human **Entrez Gene:** 208647 Mouse Omim: 608834 Human **SwissProt:** Q70SY1 Human **SwissProt:** Q8BH52 Mouse **Unigene:** 740512 Human **Unigene:** 169929 Mouse

[VALIDATION IMAGES]



Sample:Bladder(Mouse)Lysate at 40 ug
Primary: Anti-CREB3L2(SL14052R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 57kD
Observed band size: 57kD

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