

Summary

Production Name	CREB3L2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CREB3L2 CREB3L2; BBF2H7; Cyclic AMP-responsive element-binding protein 3-like protein 2;
Alternative Names	cAMP-responsive element-binding protein 3-like protein 2; BBF2 human homolog on chromosome 7
Gene ID	64764.0
SwissProt ID	Q70SY1.The antiserum was produced against synthesized peptide derived from human CREB3L2. AA range:269-318

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	58kD

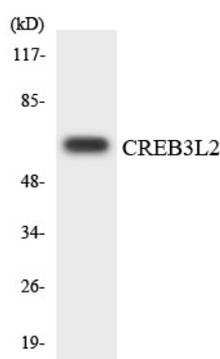
Background

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],disease:A chromosomal rearrangement involving CREB3L2 is found in low grade fibromyxoid sarcoma (LGFMS). Translocation t(7;16)(q33;p11) with FUS.,function:Transcriptional activator that may act during endoplasmic reticulum stress late phase by activating unfolded protein response target genes. May play a role in preventing accumulation of unfolded proteins in damaged neurons. In vitro, binds to the cAMP response element (CRE) and activates transcription through CRE.,PTM: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),similarity:Belongs to the bZIP family.,similarity:Belongs to the bZIP family. ATF subfamily.,similarity:Contains 1 bZIP domain.,subcellular location:Under ER stress the cleaved N-terminal cytoplasmic domain translocates into the nucleus.,subunit:Binds DNA as a dimer.,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,

Research Area

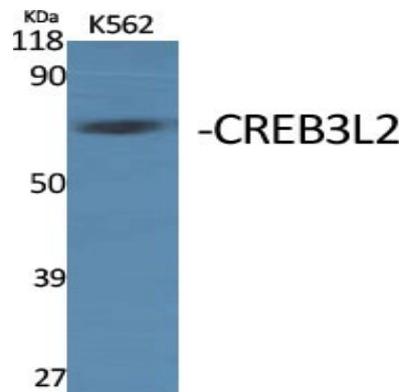
Melanogenesis;Huntington's disease;Prostate cancer;

Image Data

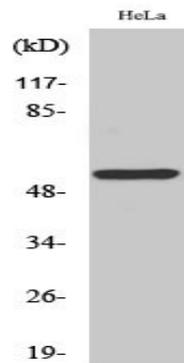


Western blot analysis of the lysates from 293 cells using CREB3L2 antibody.

Product Name: CREB3L2 Rabbit Polyclonal Antibody
Catalog #: APRab09379



Western Blot analysis of various cells using CREB3L2 Polyclonal Antibody



Western Blot analysis of HeLa cells using CREB3L2 Polyclonal Antibody

Note

For research use only.