

CREB3L4 Mouse mAb

Catalog # AP96536

Product Information

Application	WB
Reactivity	Rat, Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	21 KDa
Physical State	Liquid
Immunogen	Recombinant human CREB3L4 between 1-300 amino acids.
Isotype	IgG1
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the bZIP family. ATF subfamily. Contains 1 bZIP domain.
Post-translational modifications	N-glycosylated in the C-terminal region. 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). PS1 cleavage may be suppressed by a determinant in the C-terminal region.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a CREB (cAMP responsive element binding) protein with a transmembrane domain which localizes it to the ER membrane. The encoded protein is a transcriptional activator which contains a dimerization domain, and this protein may function in a number of processing pathways including protein processing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Additional Information

Gene ID	148327
Other Names	AIBZIP; ATCE1; CREB3; CREB4; JAL; hJAL; cAMP responsive element binding protein 3 like 4; Androgen-Induced bZIP; attaching to CRE-like 1; Cyclic AMP-responsive element-binding protein 4
Dilution	WB=1:500-1000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	CREB3L4 Mouse mAb
Function	Transcriptional activator that may play a role in the unfolded protein

response. Binds to the UPR element (UPRE) but not to CRE element.
Preferentially binds DNA with to the consensus sequence
5'-T[GT]ACGT[GA][GT]-3' and has transcriptional activation activity from UPRE.
Binds to NF-kappa-B site and has transcriptional activation activity from
NF-kappa-B-containing regulatory elements (By similarity).

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