ARG55421
anti-CREB3L4 / AIBZIP antibody [1165CT16.1.1]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes CREB3L4 / AIBZIP
Tested Reactivity	Hu, Rat
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	1165CT16.1.1
Isotype	IgG1
Target Name	CREB3L4 / AIBZIP
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 1-300 of Human CREB3L4.
Conjugation	Un-conjugated
Alternate Names	Transcript induced in spermiogenesis protein 40; cAMP-responsive element-binding protein 3-like protein 4; Androgen-induced basic leucine zipper protein; Cyclic AMP-responsive element-binding protein 3-like protein 4; cAMP-responsive element-binding protein 4; CREB4; CREB3; hJAL; Tisp40; ATCE1; JAL; Cyclic AMP-responsive element-binding protein 4; Attaching to CRE-like 1; CREB-4; AIbZIP; AIBZIP

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Daudi

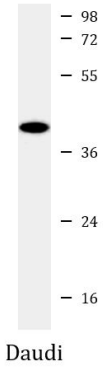
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 148327 Human GeneID: 310616 Rat Swiss-port # Q5UEM7 Rat Swiss-port # Q8TEY5 Human
Gene Symbol	CREB3L4
Gene Full Name	cAMP responsive element binding protein 3-like 4
Background	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]
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). [UniProt]
Research Area	Gene Regulation antibody
Calculated Mw	43 kDa
PTM	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 (By similarity).
Cellular Localization	Endoplasmic reticulum membrane; Single-pass type II membrane protein. Golgi apparatus membrane; Single-pass type II membrane protein. Note=May also be located in Golgi apparatus

Images



ARG55421 anti-CREB3L4 / AIBZIP antibody WB image

Western blot: 35 µg of Daudi cell lysate stained with ARG55421 anti-CREB3L4 / AIBZIP antibody.