ARG63833
anti-OASIS / CREB3L1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes OASIS / CREB3L1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	OASIS / CREB3L1
Species	Human
Immunogen	C-DFSHSKEWFHDRD
Conjugation	Un-conjugated
Alternate Names	Old astrocyte specifically-induced substance; OASIS; cAMP-responsive element-binding protein 3-like protein 1; Cyclic AMP-responsive element-binding protein 3-like protein 1

Application Instructions

Application table

Application	Dilution
IHC-P	3 - 5 µg/ml
WB	1 - 3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

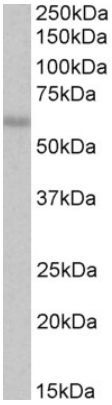
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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

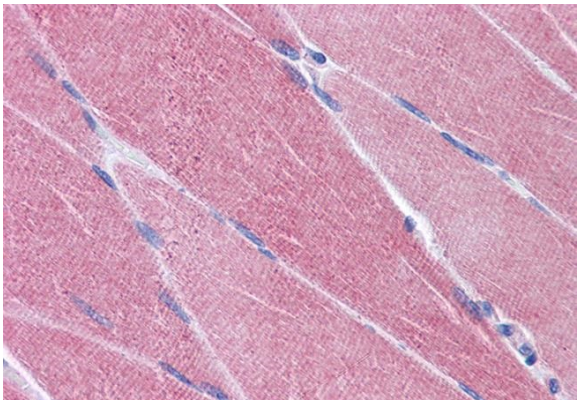
Database links	GeneID: 90993 Human Swiss-port # Q96BA8 Human
Background	The protein encoded by this gene is normally found in the membrane of the endoplasmic reticulum (ER). However, upon stress to the ER, the encoded protein is cleaved and the released cytoplasmic transcription factor domain translocates to the nucleus. There it activates the transcription of target genes by binding to box-B elements. [provided by RefSeq, Jun 2013]
Research Area	Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	57 kDa
PTM	Upon ER stress, translocated to the Golgi apparatus, where it is processed by regulated intramembrane proteolysis (RIP) to release the cytosol-facing N-terminal transcription factor domain. The cleavage is performed sequentially by site-1 and site-2 proteases (S1P/MBTPS1 and S2P/MBTPS2). RIP is induced by TGFB1 and ceramide (PubMed:25310401, PubMed:27499293). N-glycosylated. Ubiquitinated by HRD1/SYVN1; undergoes 'Lys-48'-linked ubiquitination, followed by rapid proteasomal degradation under normal conditions. Upon ER stress, SYVN1 E3 ubiquitin-protein ligase dissociates from its substrate, ubiquitination does not occur and CREB3L1 is stabilized.

Images



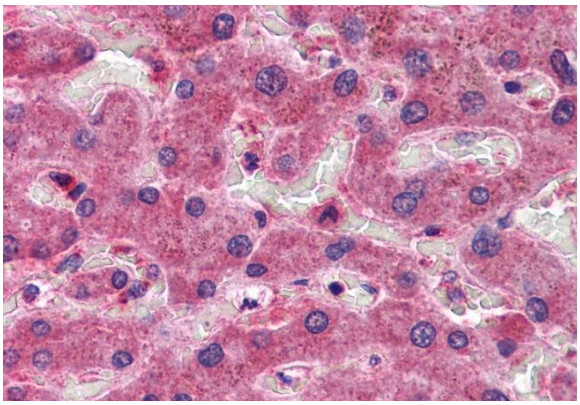
ARG63833 anti-OASIS / CREB3L1 antibody WB image

Western Blot: A549 cell lysate stained with ARG63833 anti-OASIS / CREB3L1 antibody. Approx 60kDa band observed in lysates of cell line (calculated MW of 57.0kDa according to NP_443086.1). Recommended concentration: 1-3µg/ml.



ARG63833 anti-OASIS / CREB3L1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skeletal muscle tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63833 anti-OASIS / CREB3L1 antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG63833 anti-OASIS / CREB3L1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63833 anti-OASIS / CREB3L1 antibody at 3.75 µg/ml dilution followed by AP-staining.