

OASIS / CREB3L1 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2458a

Specification

OASIS / CREB3L1 Antibody (C-Term) - Product Information

Application	WB
Primary Accession	O96BA8
Other Accession	NP_443086.1 , 90993
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	57005

OASIS / CREB3L1 Antibody (C-Term) - Additional Information

Gene ID 90993

Other Names

Cyclic AMP-responsive element-binding protein 3-like protein 1, cAMP-responsive element-binding protein 3-like protein 1, Old astrocyte specifically-induced substance, OASIS, Processed cyclic AMP-responsive element-binding protein 3-like protein 1, CREB3L1, OASIS

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

OASIS / CREB3L1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

OASIS / CREB3L1 Antibody (C-Term) - Protein Information

Name CREB3L1 ([HGNC:18856](#))

Function

[Cyclic AMP-responsive element-binding protein 3-like protein 1]: Precursor of the transcription factor form (Processed cyclic AMP-responsive element-binding protein 3-like protein 1), which is embedded in the endoplasmic reticulum membrane with N-terminal DNA-binding and transcription activation domains oriented toward the cytosolic face of the membrane (PubMed:12054625, PubMed:16417584, PubMed:25310401). In response to ER stress or DNA damage, transported to the Golgi, where it is cleaved in a site-specific manner by resident proteases S1P/MBTPS1 and S2P/MBTPS2. The released N-terminal cytosolic domain is translocated to the nucleus where it activates transcription of specific target genes involved in the cell-cycle progression inhibition (PubMed:12054625, PubMed:21767813, PubMed:25310401).

Cellular Location

[Cyclic AMP-responsive element-binding protein 3- like protein 1]: Endoplasmic reticulum membrane; Single-pass type II membrane protein Note=ER membrane resident protein. Upon ER stress, translocated to the Golgi apparatus where it is cleaved. The cytosolic N-terminal fragment (processed cyclic AMP-responsive element-binding protein 3-like protein 1) is transported into the nucleus.

Tissue Location

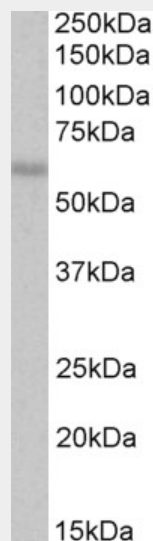
Expressed in several tissues, with highest levels in pancreas and prostate. Expressed at relatively lower levels in brain.

OASIS / CREB3L1 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

OASIS / CREB3L1 Antibody (C-Term) - Images



Approx 60kDa band observed in lysates of cell line A549 (calculated MW of 57.0kDa according to

NP_443086.1). Recommended concentration: 1-3 µg/ml.

OASIS / CREB3L1 Antibody (C-Term) - References

OASIS, a CREB/ATF-family member, modulates UPR signalling in astrocytes. Kondo S, Murakami T, Tatsumi K, Ogata M, Kanemoto S, Otori K, Iseki K, Wanaka A, Imaizumi K. Nat Cell Biol. 2005 Feb;7(2):186-94. Epub 2005 Jan 23. PMID: 15665855