OASIS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OASIS, Polyclonal Antibody
Full Product Name	OASIS (Cyclic AMP-responsive Element-binding Protein 3-like Protein 1, cAMP-responsive Element-binding Protein 3-like Protein 1, Old Astrocyte Spe
Product Gene Name	anti-OASIS antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CREB3L1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	47,783 Da
OMIM	616215
3D Structure	ModBase 3D Structure for Q96BA8
Immunogen	Full length human CREB3L1, aa1-519 (NP_443086.1).
Immunogen Sequence	MDAVLEPFPADRLFPGSSFLDLGDLNESDFLNNAHFPEHLDHFTENMEDFSNDLFSSFFDDPVLDEKSPLLDMELDSPTPGIQAEHSYSLSGDSAPQSPL
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-OASIS antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-OASIS antibody	Western Blot (WB)
Application Notes for anti-OASIS antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-OASIS antibody	Transcription factor that acts during endoplasmic reticulum stress by activating unfolded protein response target genes. Specifically involved in ER-stre

Other Notes	Small volumes of anti-OASIS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for OASIS purchase	MBS6374684 is an antibody targeting OASIS. Also known as OASIS (Cyclic AMP-responsive Element-binding Protein 3-like Protein 1, cAMP-responsi

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OASIS. It may not necessarily be applicable to this product.

NCBI GI #	16418355
NCBI GeneID	90993
NCBI Accession #	NP_443086.1
UniProt Primary Accession #	Q96BA8
UniProt Secondary Accession #	Q8N2D5; Q96CP0
UniProt Related Accession #	Q96BA8
GenBank Nucleotide #	NM_052854.1
NCBI Official Full Name	cyclic AMP-responsive element-binding protein 3-like protein 1
NCBI Official Synonym Full Names	cAMP responsive element binding protein 3-like 1
NCBI Official Symbol	CREB3L1
NCBI Official Synonym Symbols	OASIS
UniProt Protein Name	Cyclic AMP-responsive element-binding protein 3-like protein 1
UniProt Synonym Protein Names	Old astrocyte specifically-induced substance; OASIS
Protein Family	Cyclic AMP-responsive element-binding protein 3-like protein
UniProt Gene Name	CREB3L1
UniProt Synonym Gene Names	OASIS; cAMP-responsive element-binding protein 3-like protein 1; OASIS
UniProt Entry Name	CR3L1_HUMAN
NCBI Protein Information	cyclic AMP-responsive element-binding protein 3-like protein 1
NCBI Summary for OASIS	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]
UniProt Comments for OASIS	CREB3L1: Transcription factor that acts during endoplasmic reticulum stress by activating unfolded protein response target genes. Specifically involved in ER-stress response in astrocytes in the central nervous system (By similartity). May play a role in gliosis. In vitro, binds to box-B element, cAMP response element (CRE) and CRE-like sequences, and activates transcription through box-B element but not through CRE. Belongs to the bZIP family. ATF subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Transcription factor Chromosomal Location of Human Ortholog: 11p11.2 Cellular Component: endoplasmic reticulum; endoplasmic reticulum membrane; integral to membrane; nucleus Molecular Function: chromatin binding; protein binding; sequence-specific DNA binding Biological Process: multicellular organismal development; osteoblast differentiation; transcription from RNA polymerase II promoter; unfolded protein response

Research Articles on OASIS	**1.** CREB3L1 was expressed in 19% of RCC, which is generally resistant to doxorubicin, but in 70% of diffuse large B-cell lymphoma that is sensitive to doxorubicin.
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