

CREB3L1,OASIS Monoclonal antibody

Catalog Number: 67617-1-Ig

Basic Information

Catalog Number:

67617-1-Ig

Size:

1700 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28042

GenBank Accession Number:

BC015781

GeneID (NCBI):

90993

UNIPROT ID:

Q96BA8

Full Name:

cAMP responsive element binding
protein 3-like 1

Calculated MW:

57 kDa

Observed MW:

58 kDa

Purification Method:

Protein G purification

CloneNo.:

2B5B4

Recommended Dilutions:

WB 1:20000-1:100000

Applications

Tested Applications:

WB, ELISA, FC (Intra)

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : HepG2 cells, HeLa cells, HSC-T6 cells, NIH/3T3
cells, A375 cells, A549 cells, 4T1 cells

Background Information

Cyclic AMP-responsive element-binding protein 3-like protein 1 (CREB3L1) belongs to a family of transcription factors that are synthesized as membrane-bound precursors in the endoplasmic reticulum (ER) and then transported to the Golgi where they are activated through regulated intramembrane proteolysis (RIP). Also it participates in ER-stress response in astrocytes in the central nervous system. It may have a role in gliosis, and involves in activation of transcription through box-B element but not CRE. CREB3L1 acts as a transcription repressor in proliferation of virus-infected cell. The full-length precursor form (approximately 84 kDa) of CREB3L1 and the matured form of CREB3L1 is 58 kDa. (PMID: 20668028)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

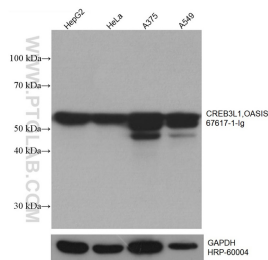
For technical support and original validation data for this product please contact:

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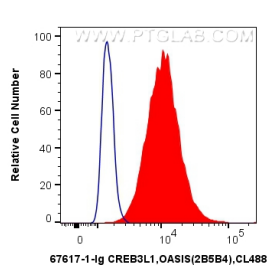
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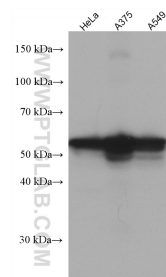
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67617-1-Ig (CREB3L1, OASIS antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



1X10⁶ HepG2 cells were intracellularly stained with 0.5 ug Anti-Human CREB3L1, OASIS (67617-1-Ig, Clone:2B5B4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Various lysates were subjected to SDS PAGE followed by western blot with 67617-1-Ig (CREB3L1, OASIS antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.