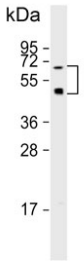
# OASIS Antibody / CREB3L1 (F54862)

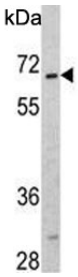
| Catalog No. | Formulation | Size |
|---|---|---|
| F54862-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54862-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

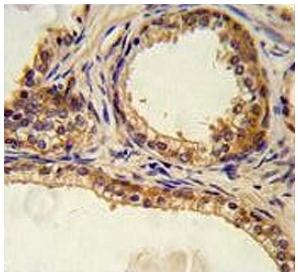
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Purified |
| **UniProt** | Q96BA8 |
| **Localization** | Cytoplasmic, nuclear |
| **Applications** | Immunohistochemistry (FFPE): 1:50-1:100<br>Flow cytometry: 1:10-1:50 (1x10e6 cells)<br>Western blot: 1:2000-1:8000 |
| **Limitations** | This OASIS antibody is available for research use only. |



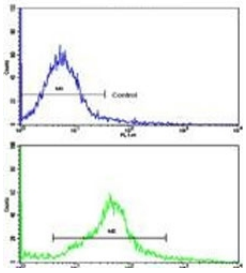

Western blot testing of human HepG2 cell lysate with OASIS antibody. Predicted molecular weight ~57 kDa. The ~47 kDa isoform may also be visualized.




Western blot testing of mouse stomach tissue lysate with OASIS antibody. Predicted molecular weight ~57 kDa. The ~47 kDa isoform may also be visualized.



IHC testing of FFPE human prostate carcinoma tissue with OASIS antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HeLa cells with OASIS antibody; Blue=isotype control, Green= OASIS antibody.

## Description

CREB3L1 is a transcription factor that acts during endoplasmic reticulum stress by activating unfolded protein response target genes. It is specifically involved in ER-stress response in astrocytes in the central nervous system (By similartity). It may play a role in gliosis. In vitro, it binds to box-B element, cAMP response element (CRE) and CRE-like sequences, and activates transcription through box-B element but not through CRE.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the OASIS antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 481-509 from the human protein was used as the immunogen for the OASIS antibody.

## Storage

Aliquot the OASIS antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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