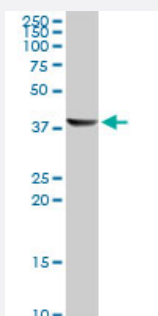


# ACAA1 monoclonal antibody (M01), clone 3F11

Catalog # H00000030-M01

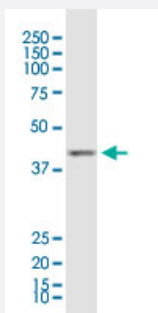
Size 100 ug

## Applications



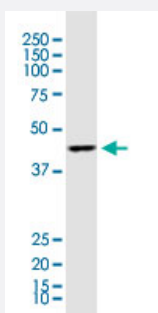
### Western Blot (Tissue lysate)

ACAA1 monoclonal antibody (M01), clone 3F11. Western Blot analysis of ACAA1 expression in human liver.



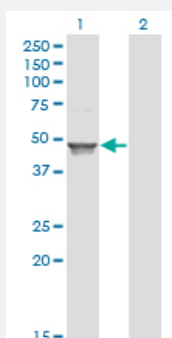
### Western Blot (Cell lysate)

ACAA1 monoclonal antibody (M01), clone 3F11. Western Blot analysis of ACAA1 expression in PC-12.



### Western Blot (Cell lysate)

ACAA1 monoclonal antibody (M01), clone 3F11. Western Blot analysis of ACAA1 expression in A-431.

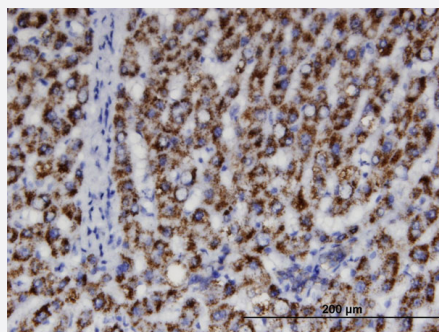


### Western Blot (Transfected lysate)

Western Blot analysis of ACAA1 expression in transfected 293T cell line by ACAA1 monoclonal antibody (M01), clone 3F11.

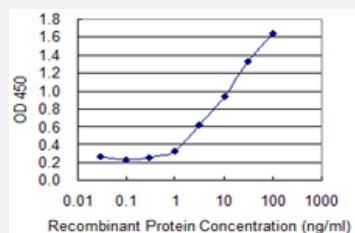
Lane 1: ACAA1 transfected lysate (Predicted MW: 44.3 kDa).

Lane 2: Non-transfected lysate.



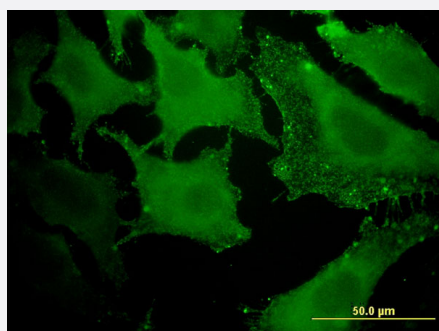
## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ACAA1 on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]



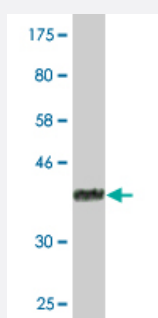
## Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACAA1 is 0.1 ng/ml as a capture antibody.



## Immunofluorescence

Immunofluorescence of monoclonal antibody to ACAA1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant ACAA1.

### Immunogen

ACAA1 (NP\_001598, 217 a.a. ~ 315 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

|                               |                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------|
| Sequence                      | GCFQAEIVPTTTVHDDKGTKRSITVTQDEGIRPSTTMEGLAKLKPAFKKDGSTTAGNSSQVSDG<br>AAAILLARRSKAEELGLPILGVLSYAVVGVPDP    |
| Host                          | Mouse                                                                                                    |
| Reactivity                    | Human, Rat                                                                                               |
| Interspecies Antigen Sequence | Mouse (85); Rat (86)                                                                                     |
| Isotype                       | IgG2a Kappa                                                                                              |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (36.63 KDa) . |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                 |

## Applications

- Western Blot (Tissue lysate)

ACAA1 monoclonal antibody (M01), clone 3F11. Western Blot analysis of ACAA1 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

ACAA1 monoclonal antibody (M01), clone 3F11. Western Blot analysis of ACAA1 expression in PC-12.

[Protocol Download](#)

- Western Blot (Cell lysate)

ACAA1 monoclonal antibody (M01), clone 3F11. Western Blot analysis of ACAA1 expression in A-431.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ACAA1 expression in transfected 293T cell line by ACAA1 monoclonal antibody (M01), clone 3F11.

Lane 1: ACAA1 transfected lysate (Predicted MW: 44.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ACAA1 on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACAA1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ACAA1 on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — ACAA1

Entrez GeneID

[30](#)

GeneBank Accession#

[NM\\_001607](#)

Protein Accession#

[NP\\_001598](#)

Gene Name

ACAA1

Gene Alias

ACAA, PTHIO, THIO

Gene Description

acetyl-Coenzyme A acyltransferase 1

Omim ID

[261515 604054](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes an enzyme operative in the beta-oxidation system of the peroxisomes. Deficiency of this enzyme leads to pseudo-Zellweger syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

peroxisomal 3-oxoacyl-Coenzyme A thiolase

## Pathway

- [Biosynthesis of unsaturated fatty acids](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Valine](#)

## Disease

- [Anoxia](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)