

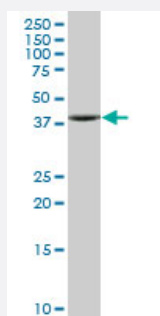
MaxPab®

# ACADM purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000034-B01P

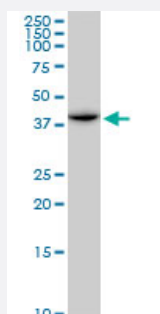
Size 50 ug

## Applications



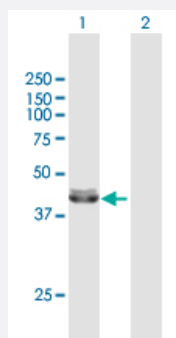
### Western Blot (Tissue lysate)

ACADM MaxPab polyclonal antibody. Western Blot analysis of ACADM expression in human liver.



### Western Blot (Cell lysate)

ACADM MaxPab polyclonal antibody. Western Blot analysis of ACADM expression in HepG2.

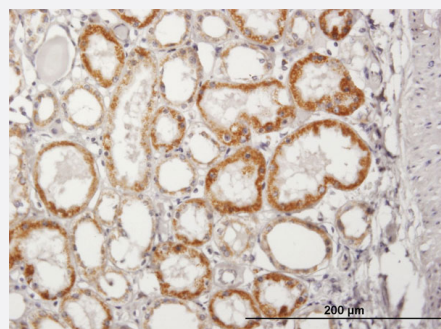


### Western Blot (Transfected lysate)

Western Blot analysis of ACADM expression in transfected 293T cell line ([H00000034-T01](#)) by ACADM MaxPab polyclonal antibody.

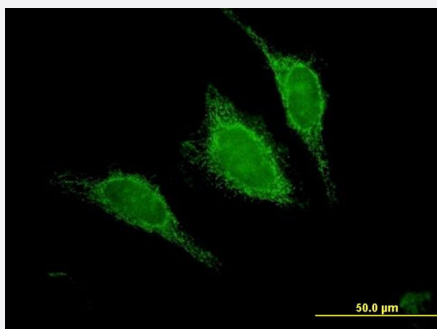
Lane 1: ACADM transfected lysate(46.31 KDa).

Lane 2: Non-transfected lysate.



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

Immunoperoxidase of purified MaxPab antibody to ACADM on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



## Immunofluorescence

Immunofluorescence of purified MaxPab antibody to ACADM on HeLa cell.  
[antibody concentration 10 ug/ml]

## Specification

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse polyclonal antibody raised against a full-length human ACADM protein.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen</b>                     | ACADM (NP_000007.1, 1 a.a. ~ 421 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sequence</b>                      | MAAGFGRCCRVLRISRFHWRSQHTKANRQREPGLGFSFEFTEQQKEFQATARKFAREEIIPVAA<br>EYDKTGEYPVPLIRRAWELGLMNTHIPENCGLGLGTFDAKLISEELAYGCTGVQTAIEGNSLGQM<br>PIIIAGNDQQKKKYLGRMTEEPLMCAYCVTEPGAGSDVAGIKTKAEKKGDEYIINGQKMWITNGGKA<br>NWFYLLARSDPDPAKANKAFTGFIVEADTPGIQGRKELNMGQRCSOTRGVFEDVKVPKENVLI<br>GDGAGFKVAMGAFDKTRPVVAAGAVGLAQRALDEATKYALERKTFGKLLVEHQAISFMLAEMAM<br>KVELARMSYQRAAWEVDSGRRNTYYASIAKAFAGDIANQLATDAVQILGGNGFNTEYPVEKLMRD<br>AKIYQYEGTSQIQRLIVAREHIDKYKN |
| <b>Host</b>                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Interspecies Antigen Sequence</b> | Mouse (87); Rat (86)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Quality Control Testing</b>       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                |

## Applications

- Western Blot (Tissue lysate)

ACADM MaxPab polyclonal antibody. Western Blot analysis of ACADM expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

ACADM MaxPab polyclonal antibody. Western Blot analysis of ACADM expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ACADM expression in transfected 293T cell line ([H00000034-T01](#)) by ACADM MaxPab polyclonal antibody.

Lane 1: ACADM transfected lysate(46.31 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

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

Immunoperoxidase of purified MaxPab antibody to ACADM on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to ACADM on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — ACADM

Entrez GeneID

[34](#)

GeneBank Accession#

[NM\\_000016.2](#)

Protein Accession#

[NP\\_000007.1](#)

Gene Name

ACADM

Gene Alias

ACAD1, FLJ18227, FLJ93013, FLJ99884, MCAD, MCADH

Gene Description

acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain

Omim ID

[201450 607008](#)

Gene Ontology

[Hyperlink](#)

**Gene Summary**

This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, which can result in infantile death. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

OTTHUMP00000011345|medium-chain specific acyl-CoA dehydrogenase

**Pathway**

- [beta-Alanine metabolism](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Propanoate metabolism](#)
- [Valine](#)

**Disease**

- [Cardiovascular Diseases](#)
- [Death](#)
- [Deficiency Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Hypoglycemia](#)
- [Lipid Metabolism](#)
- [Metabolism](#)
- [Seizures](#)

- [Sleep Stages](#)