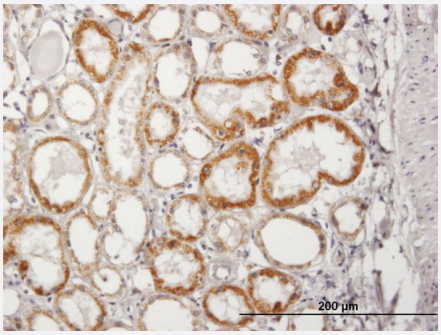
MaxPab®

ACADM purified MaxPab mouse polyclonal antibody (B01P)

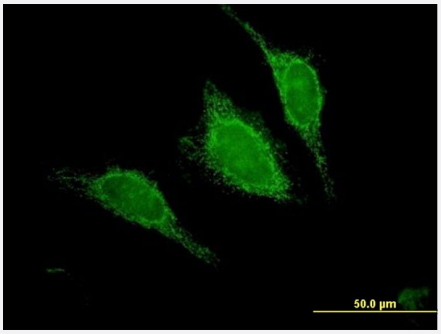
Catalog # H00000034-B01P Size 50 ug

Applications



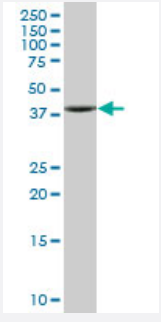
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



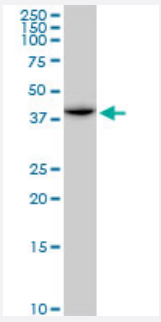
Immunofluorescence

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



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.

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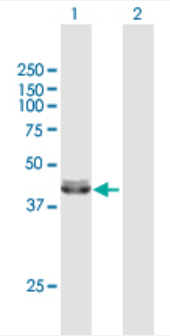

Western Blot (Transfected lysate)

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.

Specification

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

Applications

- 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

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- Immunofluorescence

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

  Protocol Download

- 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

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

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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

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- Sleep Stages

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