ARG63484
anti-ACADM antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ACADM
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise both reported isoforms.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ACADM
Species	Human
Immunogen	C-RLIVAREHIDKYKN
Conjugation	Un-conjugated
Alternate Names	ACAD1; MCADH; EC 1.3.8.7; Medium-chain specific acyl-CoA dehydrogenase, mitochondrial; MCAD

Application Instructions

Application table

Application	Dilution
IHC-P	3 - 5 µg/ml
WB	0.01 - 0.1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

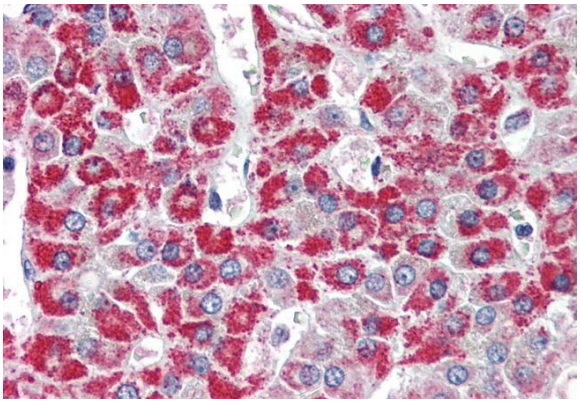
Bioinformation

Database links	GeneID: 34 Human Swiss-port # P11310 Human
Background	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, Jul 2008]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	47 kDa
PTM	Acetylation at Lys-307 and Lys-311 in proximity of the cofactor-binding sites reduces catalytic activity (By similarity). These sites are deacetylated by SIRT3.

Images

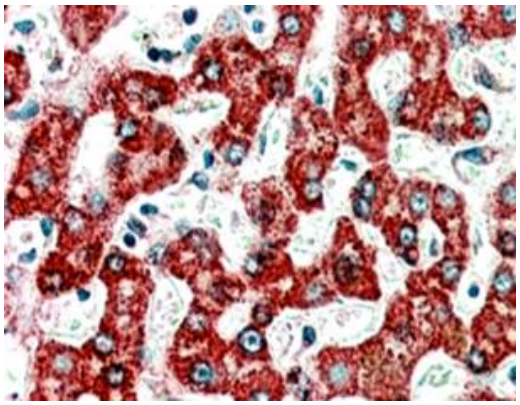
ARG63484 anti-ACADM antibody WB image

Western Blot: Human Heart lysate (RIPA buffer, 35 µg total protein per lane) stained with ARG63484 anti-ACADM antibody at 0.05 µg/ml dilution.



ARG63484 anti-ACADM antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human adrenal gland tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63484 anti-ACADM antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG63484 anti-ACADM antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Liver. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63484 anti-ACADM antibody at 3.8 µg/ml dilution followed by AP-staining.