

ACADM Recombinant Rabbit mAb

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Catalog # AP94306

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Immunogen	A synthesized peptide derived from human ACADM
Epitope Specificity	150-200/421
Isotype	IgG/Kappa
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion matrix.
SIMILARITY	Belongs to the acyl-CoA dehydrogenase family.
SUBUNIT	Homotetramer. Interacts with the heterodimeric electron transfer flavoprotein ETF.
DISEASE	Acyl-CoA dehydrogenase medium-chain deficiency (ACADM) [MIM:201450]: An inborn error of mitochondrial fatty acid beta-oxidation which causes fasting hypoglycemia, hepatic dysfunction and encephalopathy, often resulting in death in infancy. Note=The disease is caused by mutations affecting the gene represented in this entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

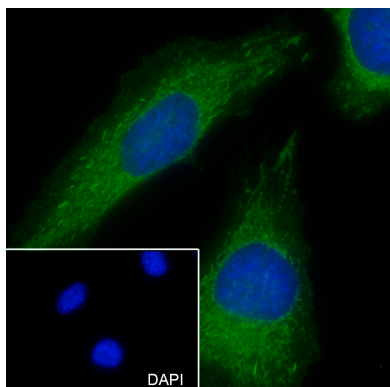
Additional Information

Dilution	WB=1:500-1:1000,IHC-P=1:100-500,IHC-F=,ICC/IF=1:50-100,IF=1:50-100
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

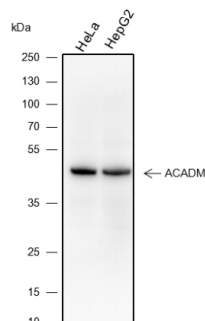
Background

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Images



Cell line: HeLa Fixative: 100% Ice-cold methanol
Permeabilization: 0.1% TritonX-100 Primary ab dilution:
1:50 Primary incubation condition: 4°C overnight
Secondary ab: Goat Anti-Rabbit IgG Nuclear counter
stain: DAPI (Blue) Comment: Color green is the positive
signal for AP94306



Blocking buffer: 5% NFDM/TBST Primary ab dilution:
1:1000 Primary ab incubation condition: 2 hours at room
temperature Secondary ab: Goat Anti-Rabbit IgG H&L
(HRP) Lysate: HeLa, HepG2 Protein loading quantity: 20
µg Exposure time: 30 s Predicted MW: 45 kDa Observed
MW: 45 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.