

ACAA2 Antibody

Rabbit mAb Catalog # AP92694

Product Information

Application WB, IHC, IF, ICC, IHF

Primary Accession P42765

Reactivity Rat, Human, Mouse

ClonalityMonoclonalOther NamesAcaa2; DSAEC;

IsotypeRabbit IgGHostRabbitCalculated MW41924

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human ACAA2

Description Abolishes BNIP3-mediated apoptosis and mitochondrial damage.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name ACAA2

Function In the production of energy from fats, this is one of the enzymes that

catalyzes the last step of the mitochondrial beta- oxidation pathway, an aerobic process breaking down fatty acids into acetyl-CoA (Probable). Using free coenzyme A/CoA, catalyzes the thiolytic cleavage of medium- to

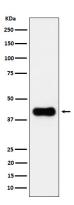
long-chain unbranched 3-oxoacyl-CoAs into acetyl-CoA and a fatty acyl-CoA shortened by two carbon atoms (Probable). Also catalyzes the condensation of two acetyl-CoA molecules into acetoacetyl-CoA and could be involved in the production of ketone bodies (Probable). Also displays hydrolase activity on various fatty acyl-CoAs (PubMed:25478839). Thereby, could be responsible for the production of acetate in a side reaction to beta-oxidation (Probable).

Abolishes BNIP3-mediated apoptosis and mitochondrial damage

(PubMed: 18371312).

Cellular Location Mitochondrion.

Images



Western blot analysis of ACAA2 expression in HeLa cell lysate.

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