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ACAA2 Antibody
Rabbit mAb
Catalog # AP92694

Specification

ACAA2 Antibody - Product Information

Application	**WB, IHC, ICC**
Primary Accession	P42765
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
Acaa2; DSAEC;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**41924 Da**

ACAA2 Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500** **ICC~~N/A**
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.**

ACAA2 Antibody - 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).

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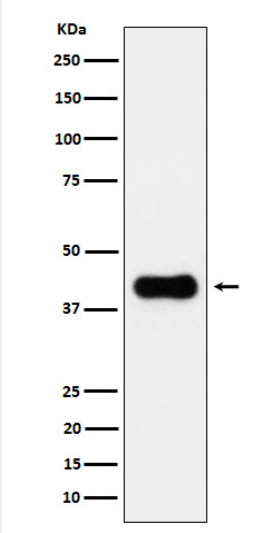
Cellular Location
Mitochondrion.

ACAA2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ACAA2 Antibody - Images



Western blot analysis of ACAA2 expression in HeLa cell lysate.