

**ACAA2 Antibody**  
**Rabbit mAb**  
**Catalog # AP92694****Specification****ACAA2 Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	<a href="#">P42765</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
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:<a href="http://www.uniprot.org/citations/25478839" target="\_blank">25478839</a>). 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:<a href="http://www.uniprot.org/citations/18371312" target="\_blank">18371312</a>).

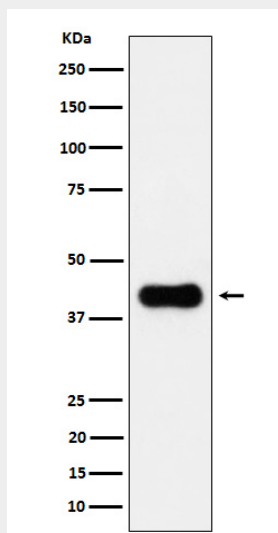
**Cellular Location**  
Mitochondrion.

### 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 Cytometry](#)
- [Cell Culture](#)

### ACAA2 Antibody - Images



Western blot analysis of ACAA2 expression in HeLa cell lysate.