

**ACO2 Antibody (Center)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8607b**

**Specification**

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**ACO2 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q99798</a>
Other Accession	<a href="#">P20004</a> , <a href="#">Q99K10</a> , <a href="#">P16276</a> , <a href="#">Q9ER34</a>
Reactivity	Human
Predicted	Bovine, Mouse, Pig, Rat
Host	Mouse
Clonality	monoclonal
Isotype	IgG1
Calculated MW	85425

**ACO2 Antibody (Center) - Additional Information**

**Gene ID** 50

**Other Names**

Aconitate hydratase, mitochondrial, Aconitase, 4.2.1.3, Citrate hydro-lyase, ACO2

**Target/Specificity**

This ACO2 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 433-467 amino acids from the Central region of human ACO2.

**Dilution**

WB~~1:2000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ACO2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACO2 Antibody (Center) - Protein Information**

**Name** ACO2

**Function** Catalyzes the isomerization of citrate to isocitrate via cis- aconitate.

### Cellular Location

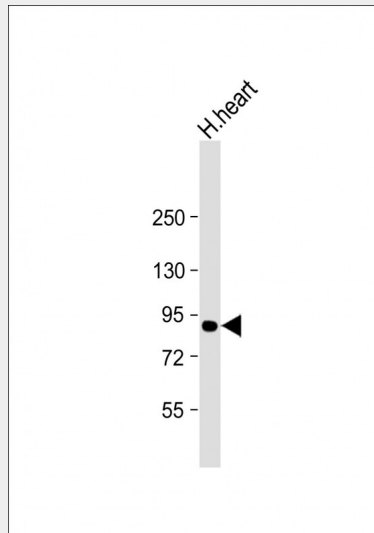
Mitochondrion {ECO:0000250|UniProtKB:P16276}.

### ACO2 Antibody (Center) - 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](#)

### ACO2 Antibody (Center) - Images



Anti-ACO2 Antibody (Center) at 1:2000 dilution + human heart lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 85 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### ACO2 Antibody (Center) - Background

Catalyzes the isomerization of citrate to isocitrate via cis-aconitate.

### ACO2 Antibody (Center) - References

- Juang H.H., et al. Submitted (DEC-1996) to the EMBL/GenBank/DDBJ databases.  
Mirel D.B., et al. Gene 213:205-218(1998).  
Collins J.E., et al. Genome Biol. 5:R84.1-R84.11(2004).  
Halleck A., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Dunham I., et al. Nature 402:489-495(1999).