

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

ACO2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q99798
Other Accession	P20004 , Q99KI0 , P16276 , Q9ER34
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

E~~Use at an assay dependent concentration.

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.

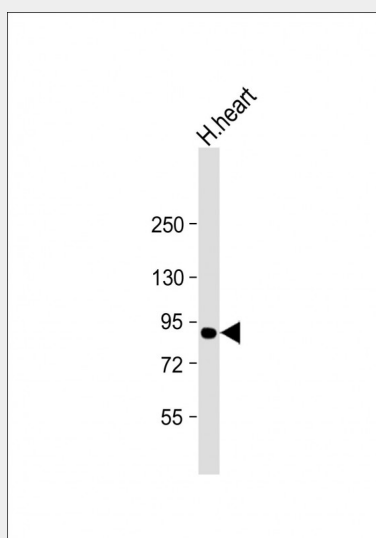
Cellular Location

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 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 85 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

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).