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ACO2 Antibody (Center)

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8607b

Product Information

Application	WB, E
Primary Accession	Q99798
Other Accession	P20004, Q99KI0, P16276, Q9ER34
Reactivity	Human
Predicted	Bovine, Mouse, Pig, Rat, Canine, Rabbit, Chicken
Host	Mouse
Clonality	monoclonal
Isotype	IgG1
Clone Names	755CT20.2.6
Calculated MW	85425

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.

Protein Information

Name	ACO2
Function	Catalyzes the isomerization of citrate to isocitrate via cis- aconitate.
Cellular Location	Mitochondrion {ECO:0000250|UniProtKB:P16276}.

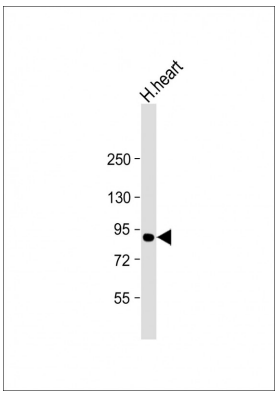
Background

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

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).

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.

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