

PAJ683Mu03

Polyclonal Antibody to Aconitase 1 (ACO1)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 200μL

Cross Reactivity: Human; Porcine.

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant ACO1 (Lys329~Pro443 (Accession # P28271)) expressed in *E.coli*

Accession No.: RPJ683Mu03

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

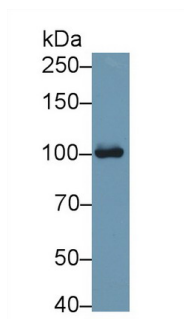
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the

expiration date under appropriate storage condition.

[IDENTIFICATION]

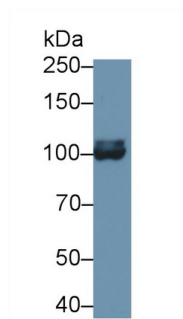


Western Blot; Sample: Porcine Liver
lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse
ACO1 Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

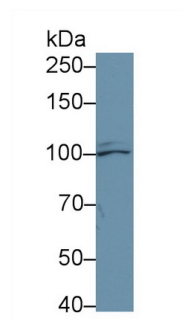


Western Blot; Sample: Mouse Liver
lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse
ACO1 Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

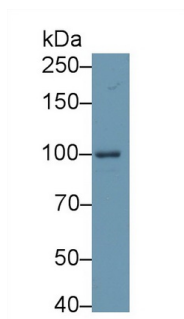


Western Blot; Sample: Mouse Heart
lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse
ACO1 Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

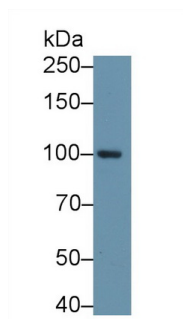


Western Blot; Sample: Human HeLa cell
lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse
ACO1 Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

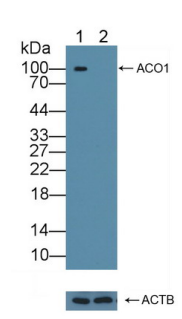


Western Blot; Sample: Human HepG2
cell lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse
ACO1 Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

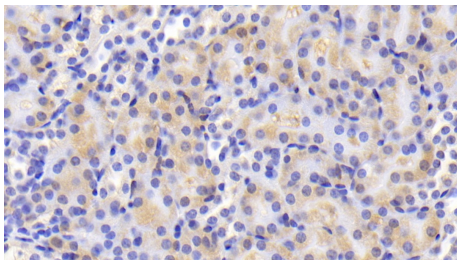
(Catalog: SAA544Rb19)



Knockout Varification: Lane 1: Wild-
type HepG2 cell lysate; Lane 2: ACO1

knockout HepG2 cell lysate; Predicted
MW: 98kd Observed MW: 100kd

Primary Ab: 1µg/ml Rabbit Anti-Mouse
ACO1 Antibody Second Ab:
0.2µg/mL HRP-Linked Caprine Anti-
Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Samples: Mouse Kidney Tissue;

Primary Ab: 20?g/ml Rabbit Anti-Mouse

ACO1 Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.