

# Anti-ACO2 / Aconitase 2 antibody



Catalog Number: 105683

## Product name

Anti-ACO2 / Aconitase 2 antibody

## Immunogen

[Mouse ACO2 / Aconitase 2 \(His & GST Tag\) recombinant protein](#)

## Specificity

Mouse ACO2 / Aconitase 2

## Antibody description

Rabbit polyclonal to ACO2 / Aconitase 2

## Preparation

Produced in rabbits immunized with purified, recombinant Mouse ACO2 / Aconitase 2 (rh ACO2 / Aconitase 2; Q99KI0; Gln28-Gln780). ACO2 / Aconitase 2 specific IgG was purified by Mouse ACO2 / Aconitase 2 affinity chromatography.

## Formulation

0.2 µm filtered solution in PBS

## Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

## Clonality

Polyclonal

## Ig Type

Rabbit IgG

## Applications

ELISA, WB, IHC-P, IP

## Dilutions

WB: 5-10 µg/ml

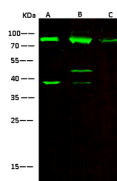
ELISA: 0.1-0.2 µg/mL

This antibody can be used at 0.1-0.2 µg/mL with the appropriate secondary reagents to detect Mouse ACO2 / Aconitase 2. The detection limit for Mouse ACO2 / Aconitase 2 is < 0.039 ng/well.

IHC-P: 0.05-1 µg/mL

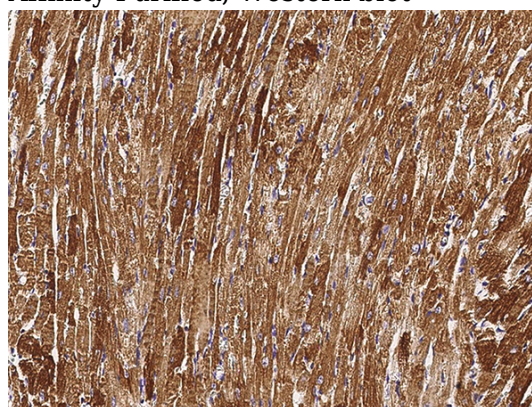
IP: 1-4 µg/mg of lysate

## Validations



Lanes	A	B	C
Items	Mouse brain tissue lysate	Rat brain tissue lysate	Jurkat (whole cell lysate)
Sample Volume (µg/lane)	30	30	30
Gel	13% SDS-PAGE reducing gel		
Recommended Concentration	5-10 µg/ml		
Secondary Antibody	Dylight 800-labeled Antibody to Rabbit IgG (H+L), at 1:5000 dilution.		
	Developed using Odyssey imaging system.		
Explanation	Predicted band size : 85 kDa Observed band size : 85 kDa Additional bands at : 48 kDa and 38 kDa (We are unsure as to the identity of these extra bands. They are possible non-specific bindings).		

ACO2 / Aconitase 2 Antibody, Rabbit PAb, Antigen Affinity Purified, Western blot



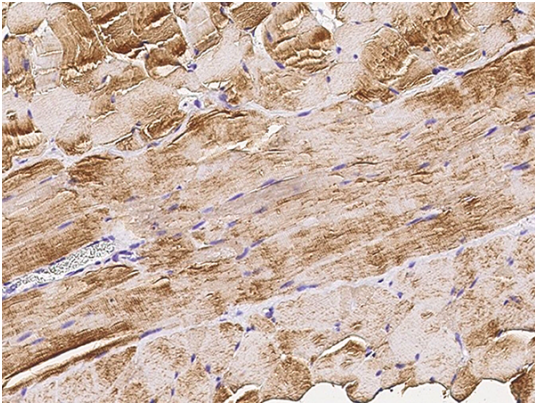
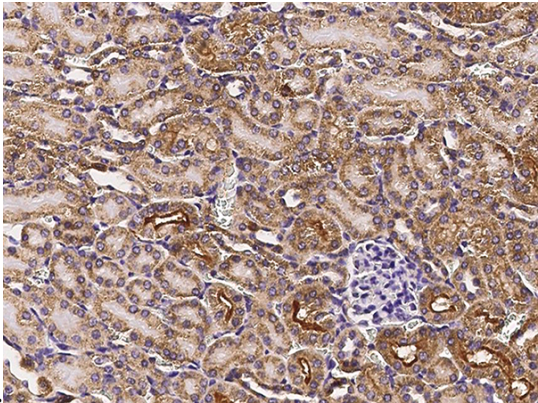
ACO2 / Aconitase 2 Antibody, Rabbit PAb, Antigen Affinity Purified, Immunohistochemistry

Anti-ACO2 / Aconitase 2 antibody



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Immunochemical staining of mouse ACO2 in mouse heart with rabbit polyclonal antibody (0.2 µg/mL, formalin-fixed paraffin embedded

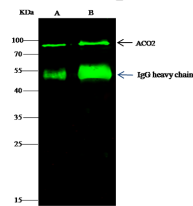


ACO2 / Aconitase 2 Antibody, Rabbit PAb, Antigen Affinity Purified, Immunohistochemistry

ACO2 / Aconitase 2 Antibody, Rabbit PAb, Antigen Affinity Purified, Immunohistochemistry

Immunochemical staining of mouse ACO2 in mouse kidney with rabbit polyclonal antibody (0.2 µg/mL, formalin-fixed paraffin embedded

Immunochemical staining of mouse ACO2 in mouse skeletal muscle with rabbit polyclonal antibody (0.2 µg/mL, formalin-fixed paraffin



Lanes	A	B
Sample (whole cell lysate)	Hela	293T
Sample quantity	0.5 mg	
IP antibody quantity	2 µg	
Protein G agarose	15 µl of 50% Protein G Agarose	
Gel	13% SDS-PAGE reducing gel	
Primary antibody	HO3C-mACO2 antibody at 5 µg/ml	
Secondary antibody	Dylight 800-labeled antibody to rabbit IgG (1:1), at 1:5000 dilution.	

ACO2 / Aconitase 2 Antibody, Rabbit PAb, Antigen Affinity Purified, Immunoprecipitation