

## ARG65168 anti-ACO2 / Aconitase 2 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes ACO2 / Aconitase 2
Tested Reactivity	Hu, Ms, Rat, Pig
Predict Reactivity	Cow, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ACO2 / Aconitase 2
Species	Human
Immunogen	C-QDTYQHPPKDSSGQH
Conjugation	Un-conjugated
Alternate Names	Aconitase; ACONM; EC 4.2.1.3; ICRD; Aconitate hydratase, mitochondrial; Citrate hydro-lyase; OCA8; HEL-S-284

### Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
	WB	0.01 - 0.03 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steamed with Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Background

The protein encoded by this gene belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded in the nucleus and functions in the mitochondrion. It was found to be one of the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15 (PRSS15), also known as Lon protease, after oxidative modification. [provided by RefSeq, Jul 2008]

Highlight

Related products:

[Aconitase antibodies](#); [Aconitase ELISA Kits](#); [Anti-Goat IgG secondary antibodies](#);

Related news:

[TCA intermediate fumarate promotes mitobiogenesis](#)

Research Area

Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody

Calculated Mw

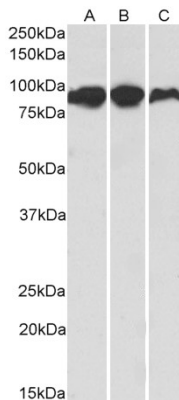
85 kDa

## Images



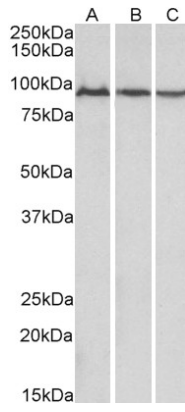
ARG65168 anti-ACO2 / Aconitase 2 antibody WB image

Western blot: Human Heart lysate (35 µg protein in RIPA buffer) stained with ARG65168 anti-ACO2 / Aconitase 2 antibody at 0.01 µg/ml dilution.



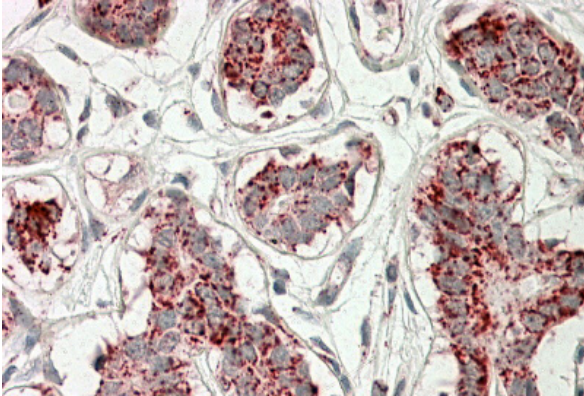
ARG65168 anti-ACO2 / Aconitase 2 antibody WB image

Western blot: Human (A), Mouse (B) and Rat (C) Adipose lysates (35 µg protein in RIPA buffer) stained with ARG65168 anti-ACO2 / Aconitase 2 antibody at 0.1 µg/ml dilution.



#### ARG65168 anti-ACO2 / Aconitase 2 antibody WB image

Western blot: Mouse (A), Rat (B) and Pig (C) Skeletal Muscle lysates (35  $\mu$ g protein in RIPA buffer) stained with ARG65168 anti-ACO2 / Aconitase 2 antibody at 0.01  $\mu$ g/ml dilution.



#### ARG65168 anti-ACO2 / Aconitase 2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast. Antigen Retrieval: Steamed with Citrate buffer (pH 6.0). Tissue were stained with ARG65168 anti-ACO2 / Aconitase 2 antibody at 3.8  $\mu$ g/ml dilution followed by AP-staining.