

Datasheet for ABIN571125  
**anti-ACO2 antibody (AA 541-555)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	ACO2
Binding Specificity:	AA 541-555
Reactivity:	Human, Rat, Mouse, Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ACO2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Purpose:	Aconitase 2 (aa541-555)
Immunogen:	Peptide with sequence C-QDTYQHPPKDSSGQH, from the internal region of the protein sequence according to NP_001089.1.
Sequence:	QDTYQHPPKD SSGQH
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

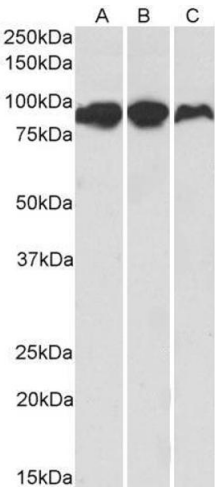
Target:	ACO2
Alternative Name:	ACO2 ( <a href="#">ACO2 Products</a> )
Background:	ACO2, aconitase 2, mitochondrial, ACONM, MGC20605, MGC33908, aconitate hydratase, citrate hydro-lyase
Gene ID:	50, 11429, 79250
NCBI Accession:	<a href="#">NP_001089</a>

## Application Details

Application Notes:	<p>Immunohistochemistry: In paraffin embedded Human Breast shows mitochondrial staining in the epithelial cells of the ducts. Recommended concentration, 3-5 µg/mL.</p> <p>Western Blot: Approx 90 kDa band observed in Human Heart lysates, in Human, Mouse and Rat Adipose lysates and in Mouse, Rat and Pig Skeletal Muscle lysates (calculated MW of 85.4 kDa according to NP_001089.1). Recommended concentration: 0.01-0.03 µg/mL.</p> <p>Peptide ELISA: antibody detection limit dilution 1:16000.</p>
Restrictions:	For Research Use only

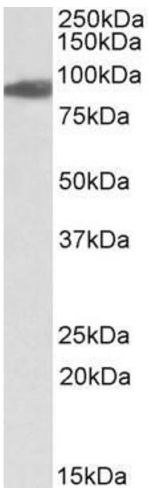
## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



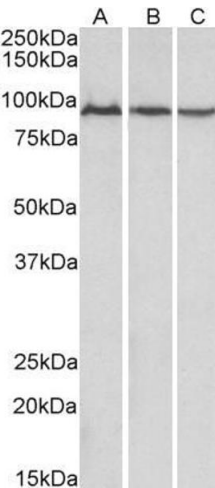
**Western Blotting**

**Image 1.** ABIN571125 (0.1µg/ml) staining of Human (A), Mouse (B) and Rat (C) Adipose lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



**Western Blotting**

**Image 2.** ABIN571125 (0.01µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



**Western Blotting**

**Image 3.** ABIN571125 (0.01µg/ml) staining of Mouse (A), Rat (B) and Pig (C) Skeletal Muscle lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN571125.