

Datasheet for ABIN633567  
**anti-Aconitase 1 antibody (N-Term)**



[Go to Product page](#)

2 Images

## Overview

Quantity:	100 µL
Target:	Aconitase 1 (ACO1)
Binding Specificity:	N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aconitase 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	ACO1 antibody was raised using the N terminal of ACO1 corresponding to a region with amino acids MSNPF AHLAEPLDPVQPGKKFFNLNKLEDSRYGRLPFSIRVLL EAAIRNC
Specificity:	ACO1 antibody was raised against the N terminal of ACO1
Purification:	Affinity purified

## Target Details

Target:	Aconitase 1 (ACO1)
Alternative Name:	ACO1 ( <a href="#">ACO1 Products</a> )
Background:	ACO1, also known as iron regulatory element binding protein 1 (IREB1), is a cytosolic protein which binds to iron-responsive elements (IREs). It plays a central role in cellular iron homeostasis. It was also shown to have aconitase activity, and hence grouped with the

## Target Details

---

aconitase family of enzymes.

Molecular Weight: 98 kDa (MW of target protein)

Pathways: [Transition Metal Ion Homeostasis](#)

## Application Details

---

Application Notes: WB: 0.5 µg/mL, IHC: 12 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: ACO1 Blocking Peptide, catalog no. 33R-6475, is also available for use as a blocking control in assays to test for specificity of this ACO1 antibody

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ACO1 antibody in PBS

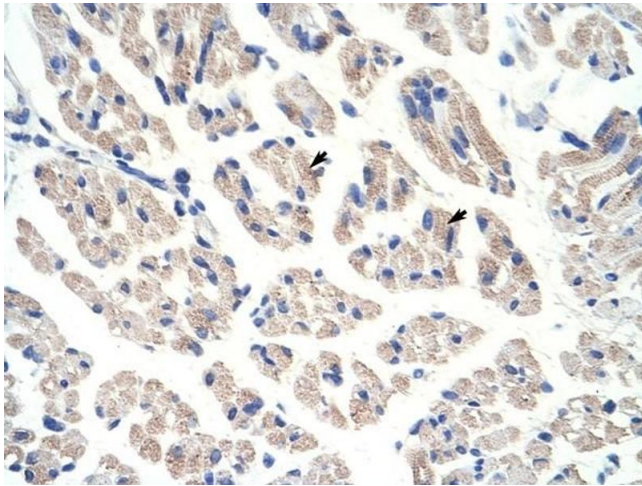
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Immunohistochemistry

**Image 1.** AC01 antibody was used for immunohistochemistry at a concentration of 12.0 ug/ml to stain Skeletal muscle cells (arrows) in Human Muscle. Magnification is at 400X



### Western Blotting

**Image 2.** AC01 antibody used at 0.5 ug/ml to detect target protein.