

Datasheet for ABIN7265379

anti-ACO2 antibody

6 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ACO2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ACO2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Aconitase 2 (ACO2) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Aconitase 2 (ACO2) (ACO2)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ACO2
Alternative Name:	ACO2 (ACO2 Products)
Background:	The protein encoded by this gene belongs to the aconitase/IPM isomerase family. It is an

Target Details

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],ACONM, HEL-S-284, ICRD, OCA8, OPA9,Cancer,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial metabolism_Mitochondrial markers,Signal Transduction,ACO2

Molecular Weight: 85kDa

Gene ID: 50

UniProt: [Q99798](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

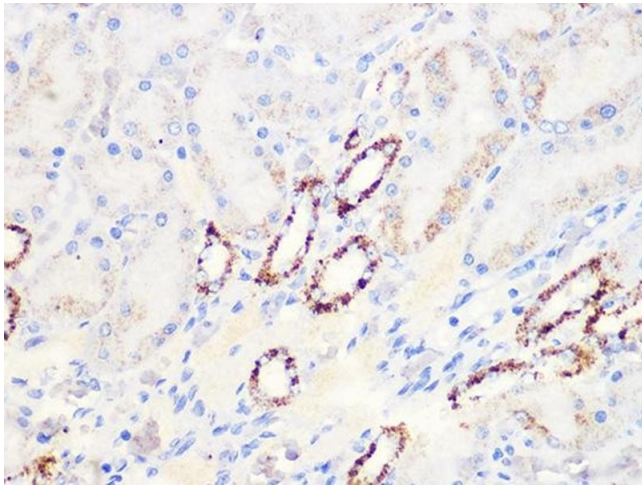
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

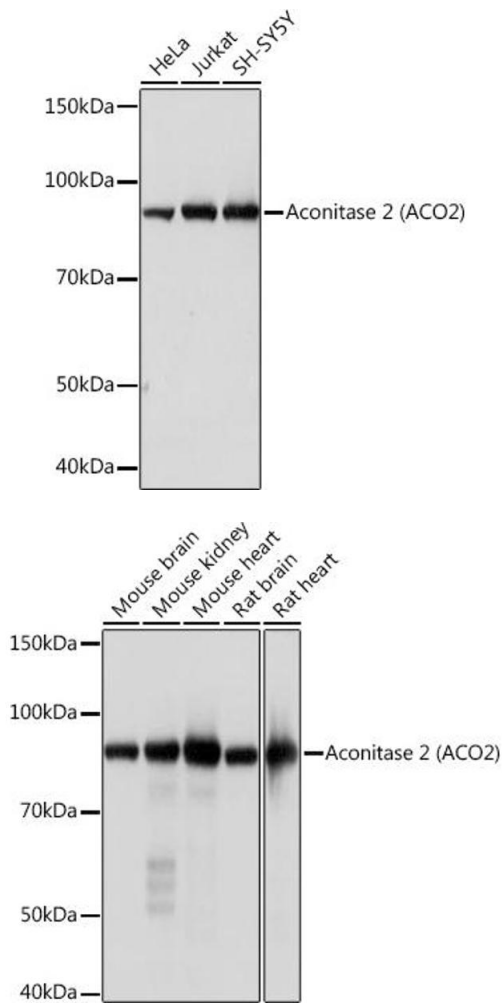
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat kidney using Aconitase 2 Rabbit mAb (ABIN7265379) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Aconitase 2 Rabbit mAb (ABIN7265379) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using Aconitase 2 Rabbit mAb (ABIN7265379) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7265379.