Datasheet for ABIN5647449

anti-ACO2 antibody (AA 438-467)

2 Images

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Overview

Quantity:	0.08 mL
Target:	ACO2
Binding Specificity:	AA 438-467
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACO2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 438-467 from the human protein was used as the immunogen for this Aconitase 2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine,Pig
Purification:	Purified

Target Details

Target:	ACO2
Alternative Name:	Aconitase 2 (ACO2 Products)
Background:	ACO2/Aconitase 2 belongs to the aconitase/IPM isomerase family. It is an enzyme that

Target Details

	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.
UniProt:	Q99798

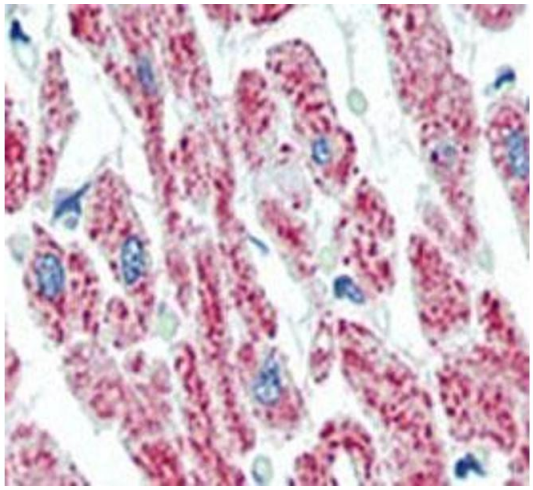
Application Details

Application Notes:	Western blot: 1:500-1000,IHC (Paraffin): 1:10-1:50
Restrictions:	For Research Use only

Handling

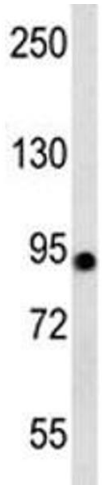
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Aconitase 2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. IHC analysis of FFPE human heart tissue stained with Aconitase 2 antibody.



Western Blotting

Image 2. Western blot testing of human 293 cell lysate with Aconitase 2 antibody at 1:1000. Predicted molecular weight ~85 kDa.