

Datasheet for ABIN631019

anti-ACO2 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	ACO2
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, C. elegans
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACO2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	ACO2 antibody was raised using the middle region of ACO2 corresponding to a region with amino acids RYYKKGIRWVVGIDENYGEGSSREHAALEPRHLGGRAITKSFARIHET
Specificity:	ACO2 antibody was raised against the middle region of ACO2
Purification:	Affinity purified

Target Details

Target:	ACO2
Alternative Name:	ACO2 (ACO2 Products)
Background:	ACO2 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

Target Details

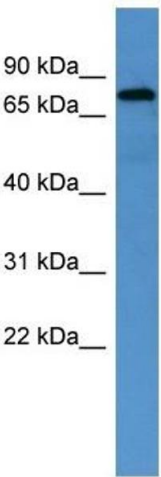
	the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15(PRSS15), also known as Lon protease, after oxidative modification.
Molecular Weight:	82 kDa (MW of target protein)

Application Details

Application Notes:	WB: 1 µg/mL Optimal conditions should be determined by the investigator.
Comment:	ACO2 Blocking Peptide, catalog no. 33R-8284, is also available for use as a blocking control in assays to test for specificity of this ACO2 antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ACO2 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.



Western Blotting

Image 1. ACO2 antibody used at 1 ug/ml to detect target protein.