

Datasheet for ABIN1678537  
**anti-ACO2 antibody (AA 501-780)**



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7 Images

Overview

Quantity:	100 µg
Target:	ACO2
Binding Specificity:	AA 501-780
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACO2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 501-780 of human Aconitase 2 (Aconitase 2 (ACO2)) (NP_001089.1).
Sequence:	IAGTLKFNPE TDYLTGTDGK KFRLEAPDAD ELPKGEFDPG QDTYQHPPKD SSGQHVDVSP TSQRLQLLEP FDKWDGKDLE DLQILIKVKG KCTTDHISAA GPWLKFRGHL DNISNLLIG AINIENGKAN SVRNAVTQEF GPVPDTARYY KKHGIRWWVI GDENYGEISS REHAALPRH LGGRAITKS FARIHETNLK KQGLLPLTFA DPADYNKIHP VDKLTIQGLK DFTPGKPLKC IIKHPNGTQE TILLNHTFNE TQIEWFRAGS ALNRMKELQQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	ACO2
Alternative Name:	ACO2 ( <a href="#">ACO2 Products</a> )
Background:	<p>The protein encoded by this gene 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 the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15(PRSS15), also known as Lon protease, after oxidative modification.,ACO2,ACONM,HEL-S-284,ICRD,OCA8,OPA9,Cancer,Signal Transduction,Endocrine &amp; Metabolism,Mitochondrial metabolism,Mitochondrial markers,ACO2</p>
Molecular Weight:	85 kDa
Gene ID:	50
UniProt:	<a href="#">Q99798</a>

## Application Details

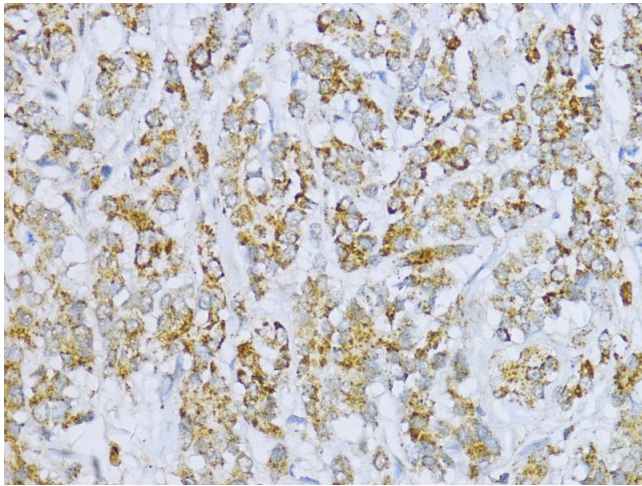
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Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

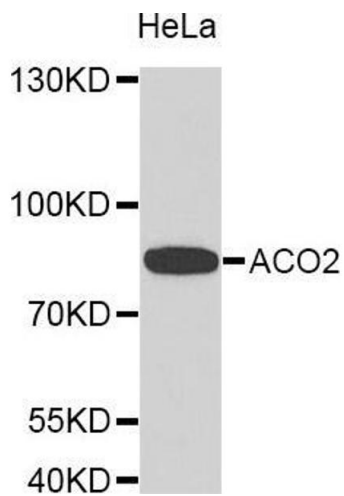
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Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



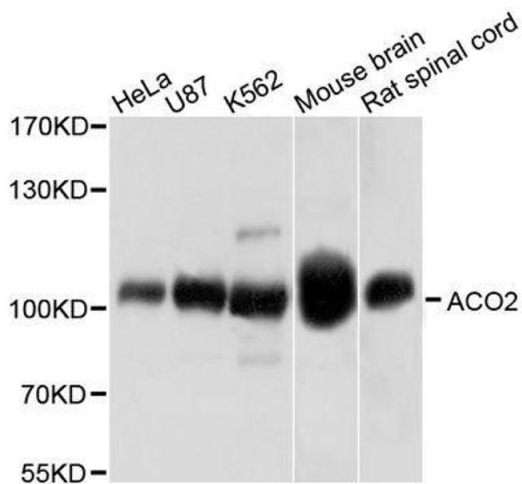
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded Human colon carcinoma using Aconitase 2 antibody (ABIN1678537, ABIN3017991, ABIN3017992 and ABIN6220329) 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 Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using ACO2 antibody.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1678537.