



Datasheet for ABIN571124
anti-ACO2 antibody (Internal Region)



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2 Images

Overview

Quantity:	100 µg
Target:	ACO2
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ACO2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Aconitase 2
Immunogen:	Peptide with sequence C-QHVDVSPTSQRLQ, from the internal region of the protein sequence according to NP_001089.1.
Sequence:	QHVDVSPTSQ RLQ
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

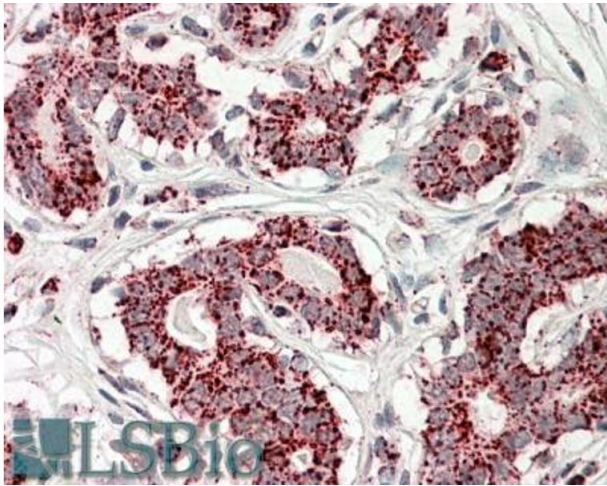
Target:	ACO2
Alternative Name:	ACO2 (ACO2 Products)
Background:	ACO2, aconitase 2, mitochondrial, ACONM, MGC20605, MGC33908, aconitate hydratase, citrate hydro-lyase
Gene ID:	50, 11429, 79250
NCBI Accession:	NP_001089

Application Details

Application Notes:	<p>Immunohistochemistry: In paraffin embedded Human Breast shows mitochondrial staining in the epithelial cells of the ducts. Recommended concentration, 3-5 µg/mL.</p> <p>Western Blot: Approx 90 kDa band observed in Human Heart lysates (calculated MW of 85.4 kDa according to NP_001089.1). Recommended concentration: 0.01-0.03 µg/mL.</p> <p>Peptide ELISA: antibody detection limit dilution 1:32000.</p>
Comment:	Immunofluorescence: Customer finds weak pixulate staining in the cytoplasm of HeLa cells.
Restrictions:	For Research Use only

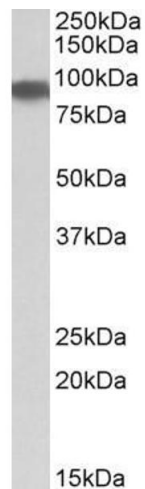
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Immunohistochemistry

Image 1. ABIN571124 (3.8 μ g/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blotting

Image 2. ABIN571124 (0.01 μ g/ml) staining of Heart lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.