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Datasheet for ABIN571181 anti-ALDH2 antibody (Internal Region)

2 Images

1 Publication



Overview

Quantity:	100 µg
Target:	ALDH2
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ALDH2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	ALDH2
Immunogen:	Peptide with sequence C-DETQFKKILGYIN, from the internal region of the protein sequence according to NP_000681.2.
Sequence:	DETQFKKILG YIN
Isotype:	lgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_000681.2, NP_001191818.1).
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.

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Product Details

Grade:

Verified

Target Details

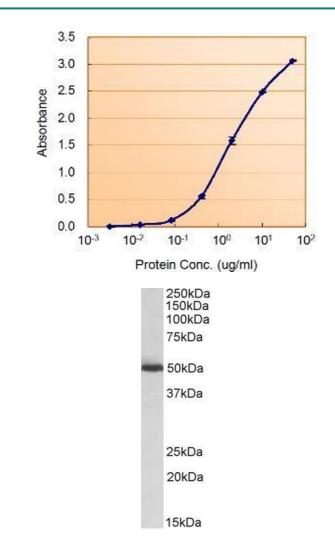
Torgoti	ALDH2
Target:	
Alternative Name:	ALDH2 (ALDH2 Products)
Background:	ALDH2, aldehyde dehydrogenase 2 family (mitochondrial), ALDH-E2, ALDHI, ALDM, MGC1806,
	ALDH class 2, acetaldehyde dehydrogenase 2, liver mitochondrial ALDH, mitochondrial
	aldehyde dehydrogenase 2, nucleus-encoded mitochondrial aldehyde dehydrogenase 2
Gene ID:	217, 11669, 29539
NCBI Accession:	NP_000681, NP_001191818
Application Details	
Application Notes:	Western Blot: Approx 50 kDa band observed in Human, Mouse and Rat Liver lysates (calculated
	MW of 56.4 kDa according to Human NP_000681.2 amd 56.5 kDa according to Mouse
	NP_033786.1). Recommended concentration: 0.03-0.1 μ g/mL.
	Peptide ELISA: antibody detection limit dilution 1:8000.
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.

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Product cited in:

Gergs, Jahn, Schulz, Großmann, Rueckschloss, Demus, Buchwalow, Neumann: "Protein Phosphatase 2A Improves Cardiac Functional Response to Ischemia and Sepsis." in: International journal of molecular sciences, Vol. 23, Issue 9, (2022) (PubMed).

Images



Enzyme Immunoassay

Image 1. ABIN571181 (1.5ug/ml) as the reporter with as the capture rabbit antibody (2.5ug/ml).

Western Blotting

Image 2. ABIN571181 (0.03µg/ml) staining of Mouse Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.