.-online.com antibodies

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

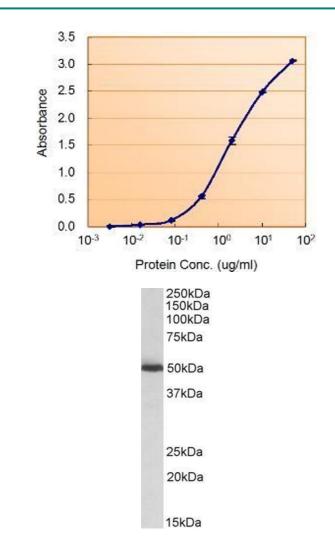
| Torgoti | ALDH2 |
|---------------------|--|
| Target: | |
| Alternative Name: | ALDH2 (ALDH2 Products) |
| Background: | ALDH2, aldehyde dehydrogenase 2 family (mitochondrial), ALDH-E2, ALDHI, ALDM, MGC1806, |
| | ALDH class 2, acetaldehyde dehydrogenase 2, liver mitochondrial ALDH, mitochondrial |
| | 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.