

Datasheet for ABIN4906009

anti-ALDH2 antibody[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	ALDH2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ALDH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ALDH2 Monoclonal antibody is generated from mouse immunized with ALDH2 recombinant protein.
Clone:	8C8
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	ALDH2
Alternative Name:	ALDH2 (ALDH2 Products)

Target Details

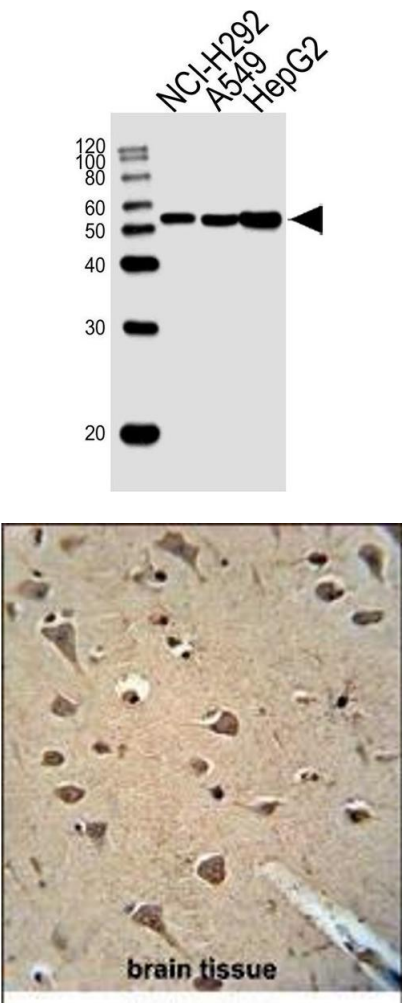
Background:	<p>Synonyms: ALDM, ALDH1, ALDH-E2, Aldehyde dehydrogenase, mitochondrial, ALDH class 2, ALDH2</p> <p>Background: This protein belongs to the aldehyde dehydrogenase family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50 % of Orientals have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of the mitochondrial isozyme. This gene encodes a mitochondrial isoform, which has a low Km for acetaldehydes, and is localized in mitochondrial matrix.</p>
Gene ID:	217
UniProt:	P05091

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IF()</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months



Western Blotting

Image 1. Lane 1: NCI-H292 Cell lysates, Lane 2: A549 Cell lysates, Lane 3: HepG2 Cell lysates, probed with ALDH2 (138CT22.3.8) Monoclonal Antibody, unconjugated (bsm-51417M) at 1:1000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded Human brain tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 15 minutes, Blocking buffer (3% BSA) at room temperature for 30min, Antibody incubation with ANTIBODY Monoclonal Antibody (bsm-51417M) at 1:50 for 1 hour at 37°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.