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Datasheet for ABIN7427729  
**anti-ALDH7A1 antibody (AA 1-539)**

1 Image

### Overview

Quantity:	100 µL
Target:	ALDH7A1
Binding Specificity:	AA 1-539
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ALDH7A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

### Product Details

Purpose:	Monoclonal Antibody to Aldehyde Dehydrogenase 7 Family, Member A1 (ALDH7A1)
Immunogen:	Recombinant Aldehyde Dehydrogenase 7 Family, Member A1 (ALDH7A1) corresponding to Met1~Gln539 (Accession # P49419)
Clone:	7#
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against ALDH7A1. It has been selected for its ability to recognize ALDH7A1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Protein A + Protein G affinity chromatography

## Target Details

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Target:	ALDH7A1
Alternative Name:	Aldehyde Dehydrogenase 7 Family, Member A1 ( <a href="#">ALDH7A1 Products</a> )
Background:	ATQ1, PDE, EPD, Antiquitin, Alpha-Amino adipic Semialdehyde Dehydrogenase, Delta1-Piperidine-6-Carboxylate Dehydrogenase, P6c Dehydrogenase
Pathways:	<a href="#">Sensory Perception of Sound</a>

## Application Details

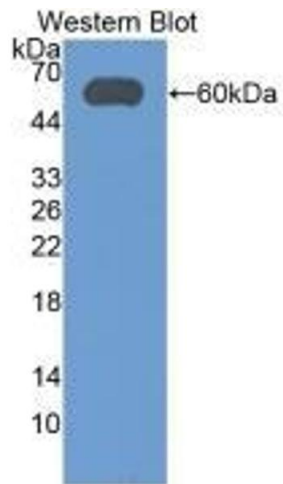
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Application Notes:	Western blotting: 0.5-5 µg/mL Immunocytochemistry in formalin fixed cells: 5-30 µg/mL Immunohistochemistry in formalin fixed frozen section: 5-30 µg/mL Immunohistochemistry in paraffin section: 5-30 µg/mL Enzyme-linked Immunosorbent Assay: 0.05-2 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



### Western Blotting

**Image 1.** Detection of Recombinant ALDH7A1, Human using Monoclonal Antibody to Aldehyde Dehydrogenase 7 Family, Member A1 (ALDH7A1)