



[Go to Product page](#)

Datasheet for ABIN7464603  
**anti-ALDH1A3 antibody**

### Overview

Quantity:	100 µL
Target:	ALDH1A3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH1A3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ALDH1A3. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	ALDH1A3
Alternative Name:	aldehyde dehydrogenase 1 family member A3 ( <a href="#">ALDH1A3 Products</a> )
Background:	Aldehyde dehydrogenase 1 family member A3 , ALDH1A6 , ALDH6 , MCOP8 , RALDH3, Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes

## Target Details

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generated by alcohol metabolism and lipid peroxidation. The enzyme encoded by this gene uses retinal as a substrate, either in a free or cellular retinol-binding protein form. [provided by RefSeq]

Molecular Weight: 56 kDa

Gene ID: 220

UniProt: [P47895](#)

Pathways: [Retinoic Acid Receptor Signaling Pathway](#)

## Application Details

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Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: Huh-7 , U87-MG  
Validation: Orthogonal

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.1 mg/mL

Buffer: 1XPBS ( pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.