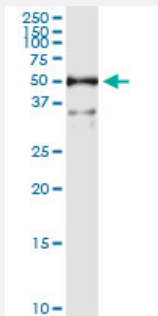


# ALDH3A1 (Human) IP-WB Antibody Pair

Catalog # H00000218-PW1

Size 1 Set

## Applications



Immunoprecipitation of ALDH3A1 transfected lysate using rabbit polyclonal anti-ALDH3A1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-ALDH3A1.

## Specification

|                                |                                                                                                                                                                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.                                                                                                             |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                    |
| <b>Quality Control Testing</b> | Immunoprecipitation-Western Blot (IP-WB)<br>Immunoprecipitation of ALDH3A1 transfected lysate using rabbit polyclonal anti-ALDH3A1 and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with mouse purified polyclonal anti-ALDH3A1. |
| <b>Supplied Product</b>        | Antibody pair set content:<br>1. Antibody pair for IP: rabbit polyclonal anti-ALDH3A1 (300 ul)<br>2. Antibody pair for WB: mouse purified polyclonal anti-ALDH3A1 (50 ug)                                                                                |
| <b>Storage Instruction</b>     | Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.                                                                       |

## Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

## Gene Info — ALDH3A1

Entrez GeneID [218](#)

Gene Name ALDH3A1

Gene Alias ALDH3, ALDHIII, MGC10406

Gene Description aldehyde dehydrogenase 3 family, memberA1

Omim ID [100660](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. The enzyme encoded by this gene forms a cytoplasmic homodimer that preferentially oxidizes aromatic and medium-chain (6 carbons or more) saturated and unsaturated aldehyde substrates. It is thought to promote resistance to UV and 4-hydroxy-2-nonenal-induced oxidative damage in the cornea. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]

**Other Designations** aldehyde dehydrogenase 3A1|aldehyde dehydrogenase isozyme 3|aldehyde dehydrogenase type III|aldehyde dehydrogenase, dimeric NADP-preferring|stomach aldehyde dehydrogenase

## Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glycolysis / Gluconeogenesis](#)
- [Histidine metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)

## Disease

- [Attention Deficit Disorder with Hyperactivity](#)

- [Autistic Disorder](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Drug Toxicity](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [NARP](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)