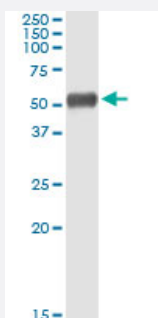


ALDH1A1 (Human) IP-WB Antibody Pair

Catalog # H00000216-PW3

Size 1 Set

Applications



Immunoprecipitation of ALDH1A1 transfected lysate using rabbit polyclonal anti-ALDH1A1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-ALDH1A1.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of ALDH1A1 transfected lysate using rabbit polyclonal anti-ALDH1A1 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-ALDH1A1.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-ALDH1A1 (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-ALDH1A1 (50 ug)
Storage Instruction	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 — ALDH1A1

Entrez GeneID	216
Gene Name	ALDH1A1
Gene Alias	ALDC, ALDH-E1, ALDH1, ALDH11, MGC2318, PUMB1, RALDH1
Gene Description	aldehyde dehydrogenase 1 family, member A1
Gene Ontology	Hyperlink
Gene Summary	This protein belongs to the aldehyde dehydrogenases 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 cytosolic isoform, which has a high affinity for aldehydes. [provided by RefSeq]
Other Designations	ALDH class 1 acetaldehyde dehydrogenase 1 aldehyde dehydrogenase 1, soluble aldehyde dehydrogenase 1A1 aldehyde dehydrogenase, liver cytosolic retinal dehydrogenase 1 retinaldehyde dehydrogenase 1

Pathway

- [Metabolic pathways](#)
- [Retinol metabolism](#)

Disease

- [Alcoholism](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

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- [Kidney Failure](#)
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