

Product datasheet for **R1050PS**

ALD2 (pan ALDH) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation, conjugation and most immunological methods requiring high titer and specificity. Recommended Dilutions: Western blot: 1/500-1/2000. Immunoprecipitation: 1:100. ELISA: 1/500-1/2000.
Reactivity:	Yeast
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Aldehyde dehydrogenase from yeast
Specificity:	This antibody detects yeast aldehyde dehydrogenase. Cross reactivity against aldehyde dehydrogenase from other tissues and species may occur but have not been specifically determined. Immunoelectrophoresis gives a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified yeast aldehyde dehydrogenase.
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 State: Purified State: Lyophilized purified Ig fraction Preservative: 0.01% (w/v) Sodium azide
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Database Link:	P47771
Background:	The aldehyde dehydrogenase family of enzymes that catalyze the chemical transformation from acetaldehyde to acetic acid. 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. The ALDH2 gene encodes a mitochondrial isoform, which has a low Km for acetaldehydes, and is localized in mitochondrial matrix; in contrast the ALDH1 gene codes for the cytosolic isoform.
Synonyms:	ALD5, Aldehyde dehydrogenase [NAD(P)+] 1
Note:	Conjugates available. Please ask for details.