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# Product datasheet for R1049HRPS

## ADH1 Rabbit Polyclonal Antibody

### Product data:

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| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IHC, IP, WB |
| **Recommended Dilution:** | **Western blot**: 1/1,000-1/5,000.<br>**Immunoprecipitation**: 1/100.<br>**ELISA**: 1/4,000-1/20,000.<br>**Immunohistochemistry** on Paraffin (FFPE) or Frozen sections: 1/500-1/2,500. |
| **Reactivity:** | Yeast |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Alcohol dehydrogenase from yeast |
| **Specificity:** | This antibody detects yeast alcohol dehydrogenase. Cross reactivity against alcohol dehydrogenase from other sources may occur but have not been specifically determined. Immunoelectrophoresis gives a single precipitin arc against anti-peroxidase, anti-rabbit serum as well as purified and partially purified yeast alcohol dehydrogenase. |
| **Formulation:** | 0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2<br>Label: HRP<br>State: Purified<br>State: Lyophilized purified Ig faction<br>Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free)<br>Preservative: 0.01% (w/v) Gentamicin sulfate (Do NOT add Sodium azide!)<br>Label: Horseradish peroxidase |
| **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:** | HRP |
| **Storage:** | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>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:** | P00330 |
| **Background:** | Alcohol Dehydrogenases (ADH) are a group of dehydrogenase enzymes that occur in many organisms and facilitate the interconversion between alcohols and aldehydes or ketones with the reduction of nicotinamide adenine dinucleotide (NAD+ to NADH). In humans and many other animals, they serve to break down alcohols that otherwise are toxic, and they also participate in generation of useful aldehyde, ketone, or alcohol groups during biosynthesis of various metabolites. |
| **Synonyms:** | Alcohol dehydrogenase I, YADH-1, ADH1, ADC1, YOL086C, O0947 |