

## Polyclonal Antibody to Aldehyde Dehydrogenase (pan ALDH) - HRP

<b>Catalog No.:</b>	R1050HRP
<b>Quantity:</b>	20 mg
<b>Concentration:</b>	10.0 mg/ml (by UV absorbance at 280 nm)
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Aldehyde Dehydrogenase [Yeast].
<b>Format:</b>	<b>State:</b> Lyophilized purified Ig fraction. <b>Purification:</b> Multi-step process. <b>Buffer System:</b> 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% Gentamicin Sulfate as preservative and 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer. <b>Label:</b> HRP – Horseradish Peroxidase <b>Reconstitution:</b> Restore with 2.0 ml of deionized water (or equivalent).
<b>Applications:</b>	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoperoxidase electron microscopy and Immunohistochemistry as well as other peroxidase-antibody based enzymatic assays. <b>Recommended Dilutions:</b> This product has been assayed against 1.0 ug of Aldehyde Dehydrogenase [Yeast] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:50,000 of the reconstitution concentration is suggested for this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Aldehyde Dehydrogenase [Yeast]. Cross reactivity against Aldehyde Dehydrogenase from other sources is unknown.

- Storage:** Store vial at 2-8°C prior to restoration. Centrifuge product if not completely clear after standing at room temperature. For extended storage reconstitute product with 50% glycerol instead of water and then aliquot contents and freeze at -20°C or below.  
This product is stable for one month at 2-8°C as an undiluted liquid.  
Dilute only prior to immediate use.  
Avoid cycles of freezing and thawing.  
Shelf life: One year from despatch.
- Caution:** Do Not Use Sodium Azide as Preservative.
- General Readings:** Farr & Nakane, J. Immunol. Methods 47; 129-144. 1981. (Conjugation)