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# R1372AP Polyclonal Antibody to anti-Rat IgG [H&L] -AP-

**Alternate names:** Rat Immunoglobulin G

**Quantity:** 0.5 mg

**Concentration:** 1.0 mg/ml (by UV absorbance at 280 nm)

**Host:** Rabbit

**Immunogen:** Rat IgG whole molecule.

**Format:**
**State:** Liquid (sterile filtered) purified Ig fraction
**Purification:** Immunoaffinity chromatography.
**Buffer System:** 0.05M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0 containing 0.01% (w/v) Sodium Azide as preservative and 10 mg/ml Bovine Serum Albumin (BSA) as stabilizer, IgG and Protease free.
**Label:** AP – Alkaline Phosphatase (Calf Intestine) (Molecular Weight 140,000 daltons)

**Applications:**
Suitable for Immunoblotting (Western or Dot blot), ELISA and Immunohistochemistry as well as other phosphatase-antibody based enzymatic assays requiring lot-to-lot consistency.
Recommended Dilutions: This product has been assayed against 1.0 µg of Rat IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate as a substrate for 30 minutes at room temperature. A working dilution of 1:1,500 to 1:7,000 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.

**Specificity:**
This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.
Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Rat IgG and Rat Serum.
No reaction was observed against Human Serum Proteins.

**Storage:**
Store the antibody (undiluted) at 2-8°C.
**DO NOT FREEZE!**
Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Dilute only prior to immediate use.
Shelf life: one year from despatch.

**General Readings:**
1. Modified from Avarameas and Ternyrock, Immunochemistry 32; 1175 1971.