

Product datasheet for **R1051HRPS**

phoA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoperoxidase electron microscopy and Immunohistochemistry as well as other peroxidase-antibody based enzymatic assays. Western blot: 1/500 - 1/2,000 ELISA: 1/4,000 - 1/20,000. This product has been assayed against 1.0 µg of alkaline phosphatase [<i>E.coli</i>] in a standard capture ELISA using ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1/3,500 to 1/15,000 of the reconstitution concentration is suggested.
Reactivity:	Escherichia coli
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Alkaline phosphatase from <i>E.coli</i>
Specificity:	This antibody detects alkaline phosphatase [<i>E.coli</i>]. No cross reactivity occurs against mammalian forms of alkaline phosphatase. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-peroxidase, anti-rabbit serum as well as purified and partially purified alkaline phosphatase [<i>E.coli</i>].
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 Label: HRP State: Purified State: Lyophilized purified Ig fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% Gentamicin sulfate (Do NOT add Sodium azide!) 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



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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.
Stability:	Shelf life: one year from despatch.
Database Link:	P00634
Background:	Alkaline phosphatase (ALP, ALKP) is a hydrolase enzyme responsible for removing phosphate groups from many types of molecules, including nucleotides, proteins, and alkaloids. The process of removing the phosphate group is called dephosphorylation. All mammalian alkaline phosphatase isoenzymes except placental (PALP and SEAP) are inhibited by homoarginine, and, in similar manner, all except the intestinal and placental ones are blocked by levamisole. Heating for ~2 hours at 65°C inactivated most isoenzymes except Placental isoforms (PALP and SEAP).
Synonyms:	phoA, b0383, JW0374