

Datasheet for ABIN5596688

**anti-Alkaline Phosphatase antibody (HRP)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	Alkaline Phosphatase (ALP)
Reactivity:	E. coli
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Alkaline Phosphatase antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Immunogen: Alkaline Phosphatase [E.coli] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity occurs against mammalian forms of Alkaline Phosphatase.
Purification:	Alkaline phosphatase 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 Alkaline Phosphatase [E.coli].

## Target Details

Target:	Alkaline Phosphatase (ALP)
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## Target Details

Alternative Name:	Alkaline Phosphatase ( <a href="#">ALP Products</a> )
Background:	<p>Synonyms: Akp2 antibody, ALP antibody, Nagao isozyme antibody, Placental alkaline phosphatase antibody, Placental like alkaline phosphatase antibody, PLAP 1 antibody, PLAP like antibody, Regan isozyme antibody, Kasahara isozyme antibody</p> <p>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).</p> <p>Gene Name: phoA</p>
Gene ID:	945041
UniProt:	<a href="#">P00634</a>

## Application Details

Application Notes:	<p>Application Note: Anti-alkaline phosphatase has been assayed against 1.0 µg of Alkaline Phosphatase [E.coli] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzthiazoline-6-sulfonic acid]) code # ABTS-100 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 for this product.</p> <p>Western Blot Dilution: 1:500 - 1:2,000</p> <p>ELISA Dilution: 1:4,000 - 1:20,000</p>
Restrictions:	For Research Use only

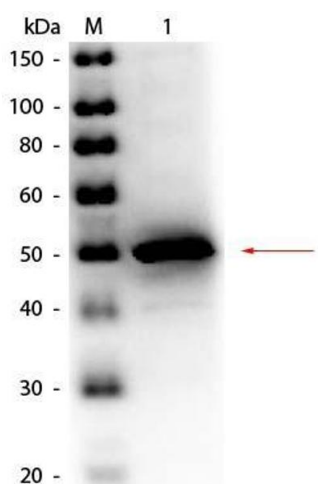
## Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>

## Handling

Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

## Validation report #300049 for Immunohistochemistry (IHC)



### Western Blotting

**Image 1.** Western Blot of Rabbit anti-Alkaline Phosphatase (E. Coli) Antibody Peroxidase Conjugated. Lane 1: Alkaline Phosphatase (E. Coli). Load: 50 ng per lane. Primary antibody: Rabbit anti-Alkaline Phosphatase (E. Coli) Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 50 kDa, 50 kDa for Alkaline Phosphatase (E. Coli).