

Anti-ALKALINE PHOSPHATASE (E.coli) (RABBIT) Antibody - 100-4134

Code: 100-4134

Size: 2 mL

Product Description: Anti-ALKALINE PHOSPHATASE (E.coli) (RABBIT) Antibody - 100-4134

Concentration: 75 mg/mL by Refractometry

PhysicalState: Lyophilized

Label	Unconjugated
Host	Rabbit
Gene Name	phoA
Species Reactivity	E.coli
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	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.
Synonyms	rabbit anti-Alkaline Phosphatase Antibody, 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
Application Note	Anti-Alkaline Phosphatase (E. Coli) Antibody has been assayed against 1.0 ug of Alkaline Phosphatase [E.coli] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for Anti-Alkaline Phosphatase (E. Coli) Antibody.
Background	<p>Alkaline Phosphatase is an enzyme that is key in the hydrolysis of many different types of molecules, resulting in the removal of phosphate groups from said molecule. Most active in basic environments and a common serum analyte, alkaline phosphatase and its isoenzymes are good indicators of bone, liver, and testicular diseases/cancers in immunoassays and diagnostics.</p> <p>Anti-Alkaline Phosphatase (E. Coli) Antibody is ideal for investigators in Cancer, Immunology, and Molecular Biology.</p>
Purity And Specificity	Anti-Alkaline Phosphatase (E. Coli) Antibody was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Alkaline Phosphatase [E.coli]. No cross reactivity occurs against the mammalian form of Alkaline Phosphatase.
Assay Dilutions	User Optimized
ELISA	1:8,000 to 1:40,000
Western Blot	1:500 - 1:2,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Alkaline Phosphatase [E.coli]
General Reference	Moss, D. "Alkaline Phosphatase Isoenzymes." Clin Chem. (1982): Oct. 28 (10): 2007-16.
Specific Reference	<p>Epstein, Kiechle, Artiss, and Zak. "The Clinical Use of Alkaline Phosphatase Enzymes." Clin Lab Med. (1986): Sep. 6 (3):491-505.</p> <p>Lange, Millan, and Stigbrand, et. al. "Placental Alkaline Phosphatase as a Tumor Marker for Seminoma." Cancer Res. (1982): Aug. 42 (8):3244-7.</p>

Related Products

100-1135	Anti-ALKALINE PHOSPHATASE (Calf Intestine) (GOAT) Antibody - 100-1135
111-1102	Anti-RABBIT IgG (H&L) (GOAT) Antibody - 111-1102
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B501-0500	BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500

Related Links

UniProtKB - P00634

<http://www.uniprot.org/uniprot/P00634>

NCBI - P00634.1 <http://www.ncbi.nlm.nih.gov/protein/P00634.1>

GeneID - 945041

Disclaimer

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