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Datasheet for ABIN1607761

anti-Alkaline Phosphatase antibody (Biotin)

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 Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Alkaline Phosphatase [E.coli] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivities against Alkaline Phosphatase from other sources may occur but have not been specifically determined.
Purity:	Anti-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-Biotin, anti-Rabbit Serum as well as purified and partially purified Alkaline Phosphatase [E.coli].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	Alkaline Phosphatase (ALP)
Alternative Name:	Alkaline Phosphatase (ALP Products)
Background:	<p>At a high pH, Anti-Alkaline Phosphatase antibodies strip phosphate groups from DNA, RNA, and proteins. ALP is most abundant in placental and intestinal tissue specific such as the liver, placenta, and bone. Located in the cell membrane, Anti-Alkaline Phosphatase antibodies are ideal for researchers involved in Cancer, Enzyme, Tags and Cell Marker, and Cell Cycle research.</p> <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>
Gene ID:	945041
UniProt:	P00634

Application Details

Application Notes:	<p>Anti-Alkaline Phosphatase has been assayed against 1.0 µg of Alkaline Phosphatase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 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 1:4.000 to 1:20.000 of the reconstitution concentration is suggested for this product.</p> <p>ELISA Dilution: 1:4.000 - 1:20.000</p> <p>Western Blot Dilution: 1:500 - 1:2.000</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated

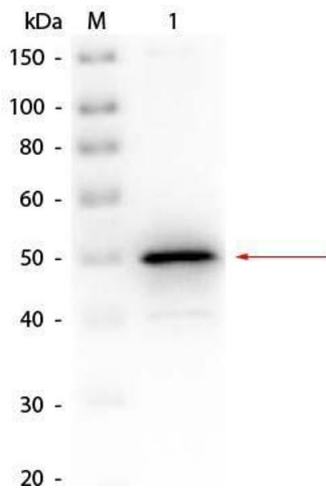
Handling

above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

Expiry Date:

Expiration date is one (1) year from date of opening.

Images



Western Blotting

Image 1. Western Blot of Rabbit anti-Alkaline Phosphatase (E. Coli) Antibody Biotin Conjugated. Lane 1: Alkaline Phosphatase (E. Coli). Load: 50 ng per lane. Primary antibody: Rabbit anti-Alkaline Phosphatase (E. Coli) Antibody Biotin Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: Peroxidase Streptavidin (S000-03) at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 50 kDa, 50 kDa for Alkaline Phosphatase (E. Coli).