

Datasheet for ABIN94932

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

Overview

Quantity:	2 mL
Target:	Calf Intestinal Alkaline Phosphatase (CIAP)
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Alkaline Phosphatase Antibody
Immunogen:	Immunogen: Alkaline Phosphatase [Calf intestine] Immunogen Type: Native Protein
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Alkaline Phosphatase [Calf intestine].
Characteristics:	Synonyms: rabbit anti-Alkaline Phosphatase Antibody, Alkaline phosphomonoesterase antibody, ALPI antibody, Glycerophosphatase antibody, IAP antibody, Intestinal alkaline phosphatase antibody, Kasahara isozyme antibody
Purification:	This product was prepared from monospecific antiserum by a delipidation and defibrination.

Target Details

Target:	Calf Intestinal Alkaline Phosphatase (CIAP)
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Target Details

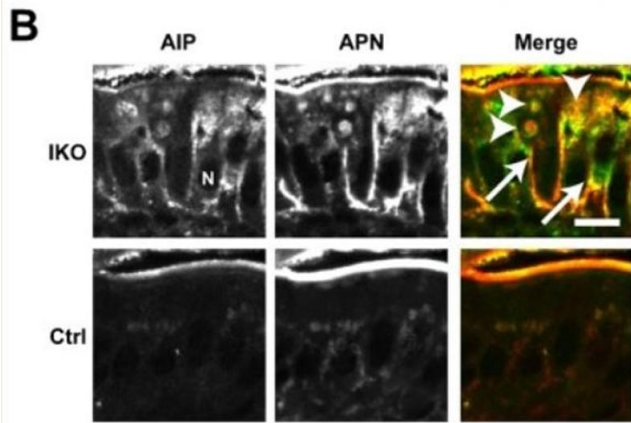
Alternative Name:	Calf Intestinal Alkaline Phosphatase (CIAP Products)
Background:	Background: In most mammals there are four different isozymes: placental, placental-like, intestinal and tissue non-specific (liver/bone/kidney). Alkaline Phosphatase catalytic activity is phosphate monoester + H ₂ O = an alcohol + phosphate.
Gene ID:	280993
UniProt:	P19111

Application Details

Application Notes:	Application Note: Anti-Alkaline Phosphatase has been assayed against 1.0 µg of Alkaline Phosphatase [Calf intestine] 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 1:2,000 to 1:8,000 of the reconstitution concentration is suggested for this product. Western Blot Dilution: 1:500 - 1:2,000 ELISA Dilution: 1:4,000 - 1:20,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 2.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	85 mg/mL
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: None
Preservative:	Without preservative
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.



Fluorescence Microscopy

Image 1. Immunofluorescence of Anti-Alkaline Phosphatase Antibody. Localization of apical and basolateral proteins in the small intestine of Rab11a IKO mice at P21. (B) Localization of the apical proteins alkaline phosphatase (AIP) and aminopeptidase N (APN) in control (Ctrl) and IKO cells at P21. Merged figures of AIP and APN are shown on the right. Intracellular vacuoles of AIP and APN are indicated by arrowheads. Basolateral localization is indicated by arrows. Scale bars: 10 μ m. N, nucleus. Fig 3. PMID: 25527643.