

**Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody**  
**ALKALINE PHOSPHATASE Antibody**  
**Catalog # ASR3659****Specification****Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	Anti-Alkaline Phosphatase has been tested by western blot and is suitable to be assayed against 1.0 µg of Alkaline Phosphatase [Human 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-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:5,000 to 1:20,000 of the reconstitution concentration is suggested for this product.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Alkaline Phosphatase [Human Intestine]
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

**Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody - Additional Information****Gene ID 248****Other Names**  
248**Purity**

This product 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 [Human Intestine]. Cross reactivity against Alkaline Phosphatase from other tissues and species may occur but have not been specifically determined.

**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.

#### Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

### Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody - Protein Information

**Name** ALPI

#### Function

Alkaline phosphatase that can hydrolyze various phosphate compounds.

#### Cellular Location

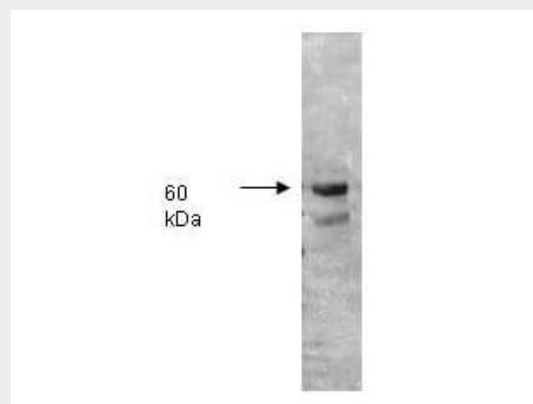
Cell membrane {ECO:0000250|UniProtKB:P15693}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:P15693}

### Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody - Images



Both the antiserum and IgG fractions of anti-Alkaline Phosphatase (Human Intestine) are shown to detect under reducing conditions of SDS-PAGE the 60,000 dalton enzyme in cellular extracts. Approximately 10 ug of total protein is loaded per lane. A 1:5,000 dilution of the primary antibody is used followed by detection using HRP Goat-a-Rabbit IgG [H&L] (611-1302) diluted 1:4,000 and

color development using 4-CN substrate until sufficient color develops. Other detection systems will yield similar results.

#### **Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody - 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<sub>2</sub>O = an alcohol + phosphate.