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Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody Peroxidase Conjugated

ALKALINE PHOSPHATASE Antibody Peroxidase Conjugated
Catalog # ASR4527

Specification

Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody Peroxidase Conjugated - Product Information

Host	**Rabbit**
Conjugate	**Peroxidase (Horseradish)**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**WB, I, LCI**
Application Note	**Anti-Alkaline Phosphatase has been assayed against 1.0 ug of Alkaline Phosphatase [Human Intestine] by immunoblot using TMB 3,3',5,5'Tetramethylbenzidine code # TMBM-100 as a substrate at room temperature. A working dilution of 1:1,000 to 1:5,000 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	**100 µL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free**
Preservative	**0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!**

Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody Peroxidase Conjugated - Additional Information

Gene ID 248

Other Names
248

Purity
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 [Human Intestine]. Cross

reactivity against Alkaline Phosphatase from other sources may occur but has 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 Peroxidase Conjugated - 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 Peroxidase Conjugated - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody Peroxidase Conjugated - Images

Anti-ALKALINE PHOSPHATASE (Human Intestine) (RABBIT) Antibody Peroxidase Conjugated - 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).