

**Anti-ALKALINE PHOSPHATASE (Calf Intestine) (GOAT) Antibody Peroxidase Conjugated
Alkaline Phosphatase Antibody HRP Conjugated
Catalog # ASR4086****Specification****Anti-ALKALINE PHOSPHATASE (Calf Intestine) (GOAT) Antibody Peroxidase Conjugated -
Product Information**

Host	Goat
Conjugate	Peroxidase (Horseradish)
Target Species	Bovine
Reactivity	Bovine
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-Alkaline Phosphatase peroxidase has been tested by dot blot and is functional in ELISA, Western blot, and Immunohistochemical assays. Optimization should be reached by researcher.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Alkaline Phosphatase [Calf 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 (Calf Intestine) (GOAT) Antibody Peroxidase Conjugated -
Additional Information****Other Names**

280993

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-Goat Serum as well as purified and partially purified Alkaline Phosphatase [Calf 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 (Calf Intestine) (GOAT) 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 (Calf Intestine) (GOAT) 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 Cytometry](#)
- [Cell Culture](#)

Anti-ALKALINE PHOSPHATASE (Calf Intestine) (GOAT) Antibody Peroxidase Conjugated - Images

Anti-ALKALINE PHOSPHATASE (Calf Intestine) (GOAT) Antibody Peroxidase Conjugated - Background

Alkaline Phosphatase is present in all tissues throughout the entire body, but is particularly concentrated in liver, bile duct, kidney, bone, and the placenta. Humans and most other mammals contain the following alkaline phosphatase isozymes: ALPI - intestinal, ALPL - tissue non-specific (liver/bone/kidney), ALPP - placental (Regan isozyme). Elevated ALP indicates that there could be active bone formation occurring as ALP is a byproduct of osteoblast activity (such as the case in Paget's disease of bone). Levels are also elevated in people with untreated Coeliac Disease. 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).