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Alkaline Phosphatase (ALPI) Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP1480c

Specification

Alkaline Phosphatase (ALPI) Antibody (Center) Blocking peptide - Product Information

Primary Accession P09923

Alkaline Phosphatase (ALPI) Antibody (Center) Blocking peptide - Additional Information

Gene ID 248

Other Names
Intestinal-type alkaline phosphatase, IAP, Intestinal alkaline phosphatase, ALPI

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1480c was selected from the Center region of human ALPI. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Alkaline Phosphatase (ALPI) Antibody (Center) Blocking peptide - 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}

Alkaline Phosphatase (ALPI) Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

Alkaline Phosphatase (ALPI) Antibody (Center) Blocking peptide - Images

Alkaline Phosphatase (ALPI) Antibody (Center) Blocking peptide - Background

There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The intestinal alkaline phosphatase gene encodes a digestive brush-border enzyme. This enzyme is upregulated during small intestinal epithelial cell differentiation.

Alkaline Phosphatase (ALPI) Antibody (Center) Blocking peptide - References

Torres,M.I., Pathol. Res. Pract. 203 (6), 485-487 (2007)Olsen,L., Am. J. Physiol. Gastrointest. Liver Physiol. 289 (2), G220-G226(2005)Alkhoury,F., Am. J. Physiol. Gastrointest. Liver Physiol. 289 (2), G285-G290(2005)