

Anti-intestinal alkaline phosphatase Antibody [PSH17-82]

HA723951



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse
Applications:	WB
Molecular Wt:	Predicted band size: 57 kDa
Clone number:	PSH17-82

Description: Alkaline phosphatase, intestinal, also known as ALPI, is a type of alkaline phosphatase that in humans is encoded by the ALPI gene. Intestinal alkaline phosphatase is an endogenous enzyme that maintains gut homeostasis. It detoxifies bacterial toxins, dephosphorylates phosphorylated nucleotides, regulates lipid absorption in the intestine, and regulates the microbiome in the intestine. In addition to these functions, intestinal alkaline phosphatase can also modulate bicarbonate secretion and can modulate the pH of the duodenum.

Immunogen: Recombinant protein within human ALPI aa 1-503.

Positive control: Saos-2 cell lysate, Mouse small intestine tissue lysate.

Subcellular location: Cell membrane.

Database links: SwissProt: P09923 Human

Recommended Dilutions:

WB 1:5,000

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

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Images

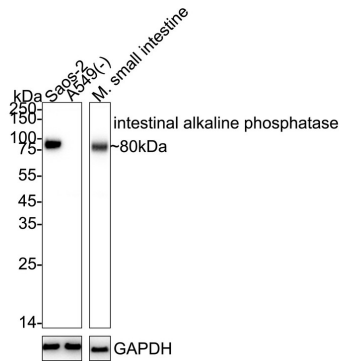


Fig1: Western blot analysis of intestinal alkaline phosphatase on different lysates with Rabbit anti-intestinal alkaline phosphatase antibody (HA723951) at 1/5,000 dilution.

Lane 1: Saos-2 cell lysate (20 μ g/Lane)

Lane 2: A549 cell lysate (negative) (20 μ g/Lane)

Lane 3: Mouse small intestine tissue lysate (30 μ g/Lane)

Predicted band size: 57 kDa

Observed band size: 80 kDa

Exposure time: 25 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA723951) at 1/5,000 dilution was used in primary antibody dilution (K1803) at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Santos GM et al. Intestinal Alkaline Phosphatase: A Review of This Enzyme Role in the Intestinal Barrier Function. *Microorganisms*. 2022 Mar
2. Singh SB et al. Role of Intestinal Alkaline Phosphatase in Innate Immunity. *Biomolecules*. 2021 Nov

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