BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Alkaline Phosphatase (ALPI) Antibody (Center)

Catalog Number: A06115-1

About ALPI

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.

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Overview

Product Name	Anti-Alkaline Phosphatase (ALPI) Antibody (Center)
Reactive Species	Human
Description	Boster Bio Anti-Alkaline Phosphatase (ALPI) Antibody (Center) (Catalog # A06115-1). Tested in WB, IHC-P, IF application(s). This antibody reacts with Human.
Application	IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P09923

Technical Details

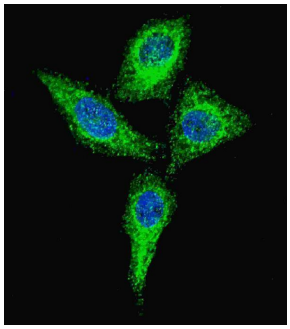
Immunogen	This Alkaline Phosphatase (ALPI) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 274-304 amino acids from the Central region of human Alkaline Phosphatase (ALPI).
Predicted Reactive Species	Mouse, Sheep
Isotype	Rabbit IgG

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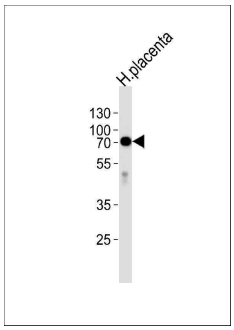
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:100 WB: 1:1000 IHC-P: 1:100

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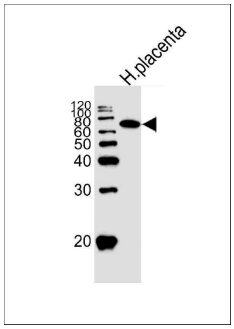
Anti-Alkaline Phosphatase (ALPI) Antibody (Center) (A06115-1) Images



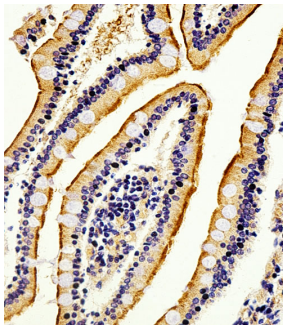
Fluorescent confocal image of HeLa cells stained with Alkaline Phosphatase (ALPI) (Center) antibody. HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with A06115-1 Alkaline Phosphatase (ALPI) (Center) primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). Alkaline Phosphatase (ALPI) immunoreactivity is localized to the cytoplasm of HeLa cells.



Western blot analysis of lysate from human placenta tissue,using ALPI Antibody (Center).A06115-1 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug per lane.



Western blot analysis of lysate from human placenta tissue lysate, using ALPI Antibody (Center). A06115-1 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



Immunohistochemical analysis of paraffin-embedded H. small intestine section using Alkaline Phosphatase (ALPI) Antibody(Center). A06115-1 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

For Research Use Only. Not for use in diagnostic procedures.