

Rabbit anti-Human Alkaline Phosphatase (ALPI) Polyclonal Antibody | anti-ALPI antibody

Alkaline Phosphatase (ALPI) Antibody (Center)

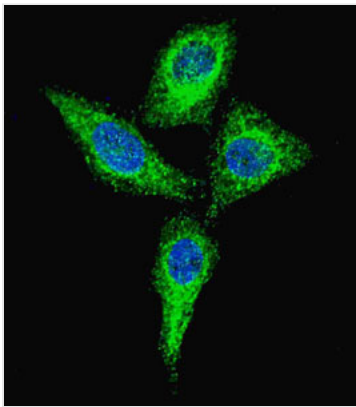
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284062	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Alkaline Phosphatase (ALPI); Polyclonal Antibody; Alkaline Phosphatase (ALPI) Antibody (Center); Intestinal-type alkaline phosphatase; IAP; Intestinal alkaline phosphatase; ALPI; anti-ALPI antibody

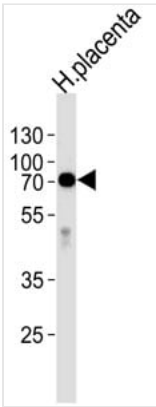
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	274-304
Sequence Length	528
Applicable Applications for anti-ALPI antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



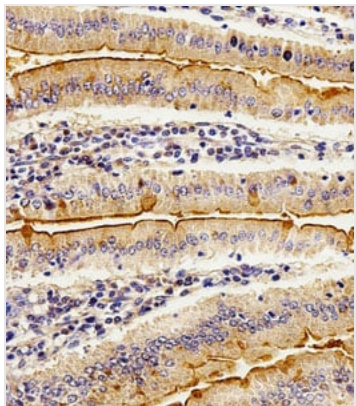
IF (Immunofluorescence)

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 AAA284062 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.



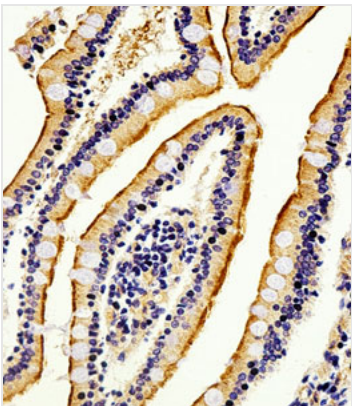
WB (Western Blot)

Western blot analysis of lysate from human placenta tissue, using ALPI Antibody (Center). AAA284062 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.



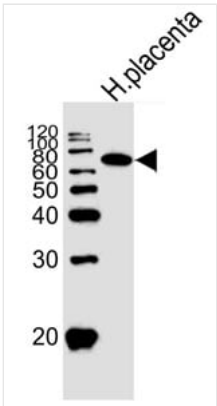
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. liver section using JAK2 Antibody (C-term). AP1125b 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.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. small intestine section using Alkaline Phosphatase (ALPI) Antibody (Center). AAA284062 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.



WB (Western Blot)

Western blot analysis of lysate from human placenta tissue, using ALPI Antibody (Center). AAA284062 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.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ALPI antibody	Crown Antibodies; Cancer; Cell Biology; Developmental Biology; Signal Transduction
References	References for protein: 1.Torres,M.I., Pathol. Res. Pract. 203 (6), 485-487 (2007) 2.Olsen,L., Am. J. Physiol. Gastrointest. Liver Physiol. 289 (2), G220-G226(2005) 3.Alkhoury,F., Am. J. Physiol. Gastrointest. Liver Physiol. 289 (2), G285-G290(2005) References for HeLa cell line: 1. Scherer WF, Syverton JT, Gey GO (May 1953). "Studies on the propagation in vitro of poliomyelitis viruses. IV. Viral multiplication in a stable strain of human malignant epithelial cells (strain HeLa) derived from an epidermoid carcinoma of the cervix". J. Exp. Med. 97 (5): 695-710. [PubMed:13052828]. 2. Macville M, Schröck E, Padilla-Nash H, Keck C, Ghadimi BM, Zimonjic D, Popescu N, Ried T (January 1999). "Comprehensive and definitive molecular cytogenetic characterization of HeLa cells by spectral karyotyping". Cancer Res. 59 (1): 141-50. [PubMed: 9892199]. 3. Rahbari R, Sheahan T, Modes V, Collier P, Macfarlane C, Badge RM (April 2009). "A novel L1 retrotransposon marker for HeLa cell line identification". BioTechniques 46 (4): 277-84. [PubMed: 19450234]. 4. Capes-Davis A, Theodosopoulos G, Atkin I, Drexler HG, Kohara A, MacLeod RA, Masters JR, Nakamura Y, Reid YA, Reddel RR, Freshney RI (July 2010). "Check your cultures! A list of cross-contaminated or misidentified cell lines". Int. J. Cancer 127 (1): 1-8. [PubMed:20143388].

NCBI AND UNIPROT INFORMATION

NCBI GI #	157266292
NCBI GeneID	248
NCBI Accession #	NP_001622.2
NCBI GenBank Nucleotide #	NM_001631.4
UniProt Accession #	P09923; Q53S80; Q9UBV5; Q9UCL2; B2R7Y4
Molecular Weight	56812
NCBI Official Full Name	intestinal-type alkaline phosphatase
NCBI Official Synonym Full Names	alkaline phosphatase, intestinal
NCBI Official Symbol	ALPI
NCBI Official Synonym Symbols	IAP
NCBI Protein Information	intestinal-type alkaline phosphatase
UniProt Protein Name	Intestinal-type alkaline phosphatase
UniProt Gene Name	ALPI
UniProt Synonym Gene Names	IAP; Intestinal alkaline phosphatase
UniProt Entry Name	PPBI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alkaline-phosphatase-alpi-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/284062>