

Anti-ALPI Antibody

Catalog # AP51973

Product Information

Application	WB, IF/IC
Primary Accession	P09923
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56812

Additional Information

Gene ID	248
Other Names	Intestinal-type alkaline phosphatase; IAP; Intestinal alkaline phosphatase
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ALPI. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

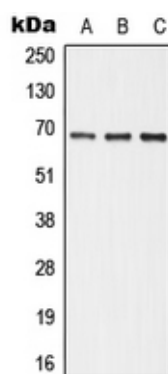
Protein Information

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}

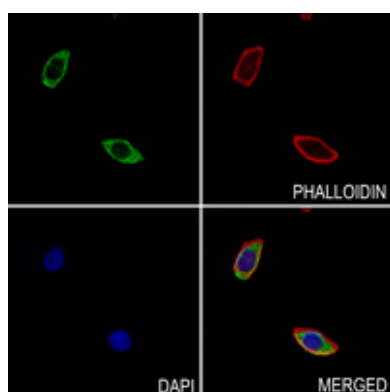
References

Berger J.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:695-698(1987).
Henthorn P.S.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:1234-1238(1987).
Henthorn P.S.,et al.J. Biol. Chem. 263:12011-12019(1988).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).

Images



Western blot analysis of ALPI expression in HepG2 (A), Raw264.7 (B), PC12 (C) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 67 kD)



Immunofluorescent analysis of ALPI staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.