



PLAP Monoclonal Antibody

Catalog No	BYab-14183
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	ALPP
Protein Name	Alkaline phosphatase, placental type
Immunogen	Purified recombinant fragment of human PLAP expressed in E. Coli.
Specificity	PLAP Monoclonal Antibody detects endogenous levels of PLAP protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALPP; PLAP; Alkaline phosphatase; placental type; Alkaline phosphatase Regan isozyme; Placental alkaline phosphatase 1; PLAP-1
Observed Band	
Cell Pathway	Cell membrane; Lipid-anchor, GPI-anchor .
Tissue Specificity	Detected in placenta (at protein level).
Function	catalytic activity:A phosphate monoester + H(2)O = an alcohol + phosphate.,cofactor:binds 1 magnesium ion.,cofactor:binds 2 zinc ions.,miscellaneous:In most mammals there are four different isozymes: placental, placental-like, intestinal and tissue non-specific (liver/bone/kidney).,online information:Alkaline phosphatase entry,polymorphism:Placental ALP is highly polymorphic, there are at least three common alleles.,similarity:Belongs to the alkaline phosphatase family.,subunit:Homodimer.,
Background	The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The

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enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. The protein is primarily expressed in placental and endometrial tissue; however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells. [provided by RefSeq, Jan 2015],

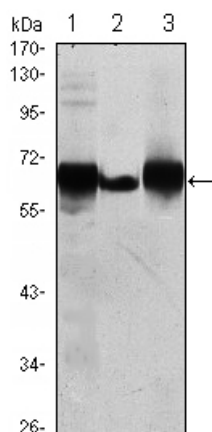
matters needing attention

Avoid repeated freezing and thawing!

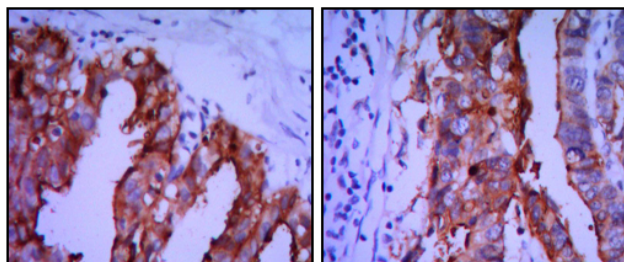
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using PLAP Monoclonal Antibody against HepG2 (1), A431 (2) and MCF-7 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded ovarian cancer (A), stomach cancer (B) with DAB staining using PLAP Monoclonal Antibody.

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