



ALPP/ALPPL2 Monoclonal Antibody

Catalog No	YP-mAb-15047
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ALPP/ALPPL2
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human ALPP/ALPPL2. AA range:1-50
Specificity	ALPP/ALPPL2 Monoclonal Antibody detects endogenous levels of ALPP/ALPPL2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALP;ALPP;EC:3.1.3.1;PALP;PLAP-1;PLAP;ALPP/ALPPL2;Alkaline phosphatase;placental type/Alkaline phosphatase;placental-like;placental type;Alkaline phosphatase Regan isozyme;Placental alkaline phosphatase 1;ALPPL2;ALPPL;placental-likeALP-1;Alkaline phosphatase Nagao isozyme;Germ cell alkaline phosphatase;GCAP;Placental alkaline phosphatase-like;PLAP-like;placental type/Alkaline phosphatase; placental-like; placental type; placental-likeALP-1
Observed Band	60kD
Calculated Molecular Weight	60kD
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 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],

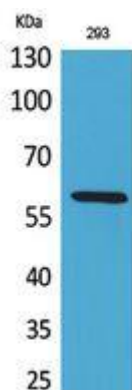
matters needing attention

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 of various cells using ALPP/ALPPL2 Monoclonal Antibody