Placental alkaline phosphatase (PLAP) Rabbit mAb

Catalog No.: A4304 Recombinant



Basic Information

Observed MW 70kDa

Calculated MW 58kDa

Category Primary antibody

Applications WB,IHC-P,ELISA

Cross-Reactivity Human, Mouse, Rat

CloneNo number ARC0961

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. One of the main sources of this enzyme is the liver, and thus, it's one of several indicators of liver injury in different clinical conditions. In pregnant women, this 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.

Recommended Dilutions

WB	1:1000 - 1:6000
IHC-P	1:1000 - 1:4000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID 250

Swiss Prot P05187

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

ALP; IAP; ALPI; PALP; PLAP; PLAP-1; Placental alkaline phosphatase (PLAP)

Contact

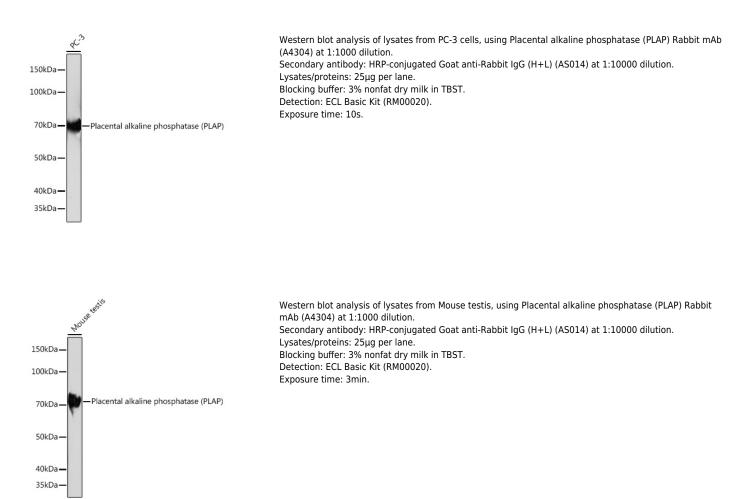
6	400-999-6126
\mathbf{X}	cn.market@abclonal.com.cn
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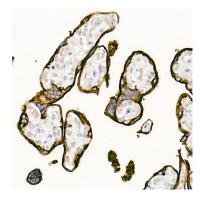
Product Information

Source Rabbit **lsotype** lgG **Purification** Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.





Immunohistochemistry analysis of paraffinembedded Human placenta using Placental alkaline phosphatase (PLAP) Rabbit mAb (A4304) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.