

A1529

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# Placental alkaline phosphatase (PLAP) Rabbit pAb

Catalog No.: A1529

## Basic Information

### Observed MW

58kDa

### Calculated MW

58kDa

### Category

Polyclonal Antibody

### Applications

WB

### Cross-Reactivity

Human

## 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 1:500 - 1:1000

## 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



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

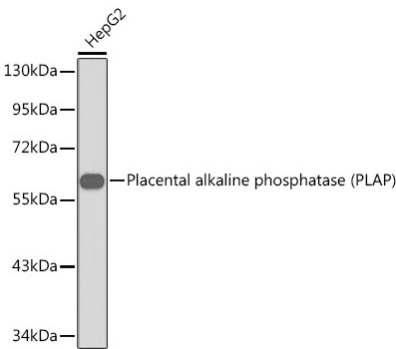
Affinity purification

### Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, pH7.3.

# Validation Data



Western blot analysis of lysates from HepG2 cells, using Placental alkaline phosphatase (PLAP) Rabbit pAb (A1529).  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.