

## **KD-Validated Anti-ALPP Rabbit Monoclonal Antibody**

Rabbit monoclonal antibody Catalog # AGI1888

#### **Specification**

Isotype

# **KD-Validated Anti-ALPP Rabbit Monoclonal Antibody - Product Information**

Application WB, FC, ICC Primary Accession P05187
Reactivity Human Clonality Monoclonal

Calculated MW Predicted, 58 kDa, observed, 63 kDa KDa

Rabbit IgG

Gene Name ALPP

Aliases ALPP; Alkaline Phosphatase, Placental;

PLAP; PALP; Alkaline Phosphatase, Placental Type; Alkaline Phosphatase Regan Isozyme; Placental Alkaline Phosphatase 1; EC 3.1.3.1; PLAP-1; Alkaline Phosphatase, Placental (Regan Isozyme); Intestinal-Type Alkaline

Isozyme); Intestinal-Type Alkaline Phosphatase; Intestinal Alkaline Phosphatase; Placental Alkaline

Phosphatase; Alkaline Phosphomonoesterase;

Glycerophosphatase; Regan Isozyme; ALPI;

ALP: IAP

Immunogen A synthesized peptide derived from human

Placental alkaline phosphatase (phospho

LAP)

## **KD-Validated Anti-ALPP Rabbit Monoclonal Antibody - Additional Information**

Gene ID 250

**Other Names** 

Alkaline phosphatase, placental type, 3.1.3.1, Alkaline phosphatase Regan isozyme, Placental alkaline phosphatase 1, PLAP-1, ALPP (<a

href="http://www.genenames.org/cgi-bin/gene symbol report?hgnc id=439"

target=" blank">HGNC:439</a>)

# **KD-Validated Anti-ALPP Rabbit Monoclonal Antibody - Protein Information**

Name ALPP (HGNC:439)

**Function** 

Alkaline phosphatase that can hydrolyze various phosphate compounds.

**Cellular Location** 

Cell membrane; Lipid-anchor, GPI-anchor



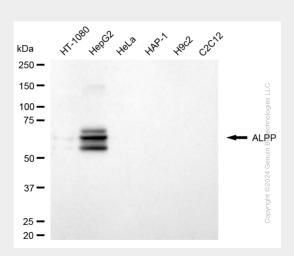
**Tissue Location**Detected in placenta (at protein level).

## **KD-Validated Anti-ALPP Rabbit Monoclonal Antibody - Protocols**

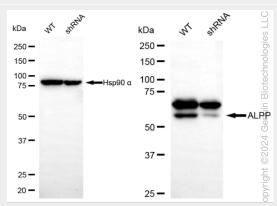
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## KD-Validated Anti-ALPP Rabbit Monoclonal Antibody - Images

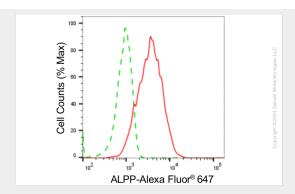


Western blotting analysis using anti-ALPP antibody (Cat#AGI1888). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ALPP antibody (Cat#AGI1888, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

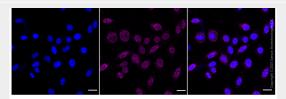


Western blotting analysis using anti-ALPP antibody (Cat#AGI1888). ALPP expression in wild type (WT) and ALPP shRNA knockdown (KD) HeLa cells with 20  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with anti-ALPP antibody (Cat#AGI1888, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





Flow cytometric analysis of ALPP expression in HepG2 cells using anti-ALPP antibody (Cat#AGI1888, 1:2,000). Green, isotype control; red, ALPP.



Immunocytochemical staining of HepG2 cells with anti-ALPP antibody (Cat#AGI1888, 1:1,000). Nuclei were stained blue with DAPI; ALPP was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar:  $20~\mu m$ .