

For Research Use Only

# PLAP Recombinant monoclonal antibody

Catalog Number: 86752-3-RR



## Basic Information

|                                            |                                                                      |                                                       |
|--------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>86752-3-RR       | <b>GenBank Accession Number:</b><br>NM_001632.4                      | <b>Purification Method:</b><br>Protein A purification |
| <b>Source:</b><br>Rabbit                   | <b>GeneID (NCBI):</b><br>250                                         | <b>CloneNo.:</b><br>251261A10                         |
| <b>Isotype:</b><br>IgG                     | <b>UNIPROT ID:</b><br>P05187                                         | <b>Recommended Dilutions:</b><br>WB: 1:5000-1:50000   |
| <b>Immunogen Catalog Number:</b><br>EG3065 | <b>Full Name:</b><br>alkaline phosphatase, placental (Regan isozyme) |                                                       |
|                                            | <b>Calculated MW:</b><br>58 kDa                                      |                                                       |
|                                            | <b>Observed MW:</b><br>66 kDa                                        |                                                       |

## Applications

|                                           |                                                                           |
|-------------------------------------------|---------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, ELISA  | <b>Positive Controls:</b><br>WB : human placenta tissue, rat liver tissue |
| <b>Species Specificity:</b><br>human, rat |                                                                           |

## Background Information

Placental alkaline phosphatase (PLAP) is a glycosyl phosphatidylinositol (GPI)-anchored sialoglycoprotein, which shows greater resistance to heat inactivation than other alkaline phosphatase. Presented at high levels in placental trophoblasts, PLAP is recognized as an important marker of differentiation in human malignancies.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

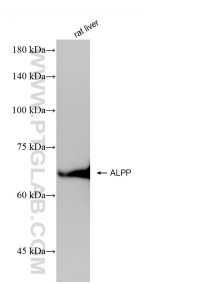
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

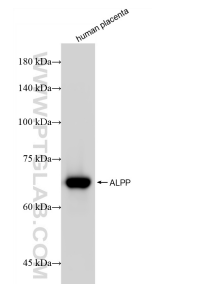
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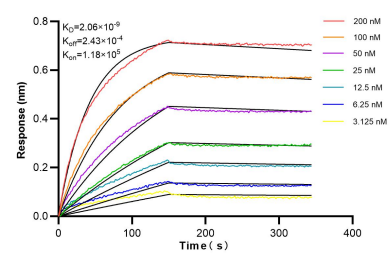
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86752-3-RR (ALPP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Bilayer interferometry (BLI) kinetic assays of 86752-3-RR against Human PLAP were performed. The affinity constant is 2.06 nM.