

For Research Use Only

# PPAP Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87842-2-PBS



## Basic Information

|                                                             |                                                 |                                                       |
|-------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>87842-2-PBS                       | <b>GenBank Accession Number:</b><br>NM_001099.5 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>55                     | <b>CloneNo.:</b><br>253501E5                          |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>P15309                    |                                                       |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>acid phosphatase, prostate |                                                       |
| <b>Immunogen Catalog Number:</b><br>EG6542                  | <b>Calculated MW:</b><br>45 kDa                 |                                                       |

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human

## Product Information

87842-2-PBS targets PPAP as part of a matched antibody pair:

MP03403-1: 87842-3-PBS capture and 87842-2-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

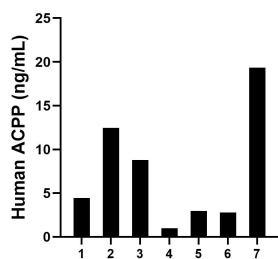
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only, pH7.3

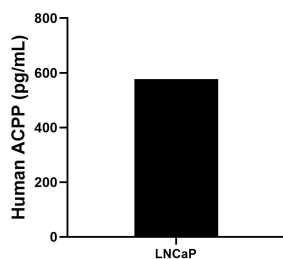
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

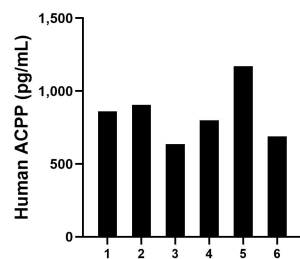
## Selected Validation Data



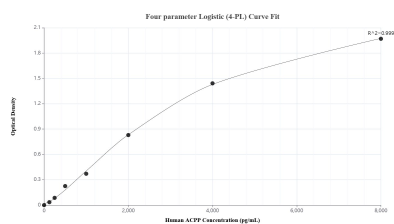
Urine of seven individual healthy human donors was measured. The ACPP concentration of detected samples was determined to be 7.4 ng/mL with a range of 1.0-19.4 ng/mL.



LNCaP cells were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 ug/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human ACPP, and measured 576.6 pg/mL.



Plasma of six individual healthy human donors was measured. The ACPP concentration of detected samples was determined to be 843.4 pg/mL with a range of 636.6-1,170.2 pg/mL.



Sandwich ELISA standard curve of MP03403-1, Human ACPP Recombinant Matched Antibody Pair - PBS only. 87842-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg6542. 87842-2-PBS was HRP conjugated as the detection antibody. Range: 125-8000 pg/mL.