

For Research Use Only

# ACPP Recombinant monoclonal antibody, PBS Only

Catalog Number: 87842-1-PBS



## Basic Information

|                                                            |                                                 |                                                       |
|------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>87842-1-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>253501A5                          |
| <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                 |                                                       |
|                                                            | <b>Observed MW:</b><br>40-50 kDa                |                                                       |

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

ACPP is also named as PAP(prostatic acid phosphatase),5'-nucleotidase,thiamine monophosphatas and Belongs to the histidine acid phosphatase family.This enzyme is a homodimeric glycoprotein with a subunit molecular mass of 50 kDa and is an androgen-stimulated secretory product of the human prostate gland(PMID:8132635).It is also a non-specific phosphatase and has been implicated in the progression of prostate cancer, which inactivates LPA in human seminal plasma(PMID:15280042).

## Storage

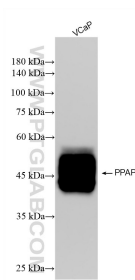
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

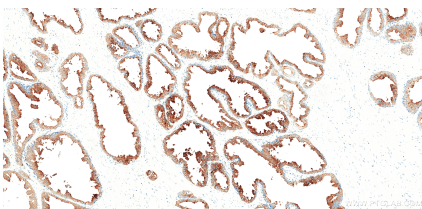
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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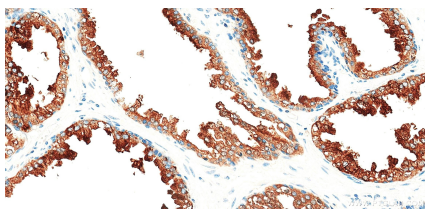
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87842-1-RR (ACPP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87842-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate tissue slide using 87842-1-RR (PPAP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87842-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate tissue slide using 87842-1-RR (PPAP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87842-1-PBS in a different storage buffer formulation.