

For Research Use Only

# ACPP Polyclonal antibody

Catalog Number: 15840-1-AP

4 Publications



## Basic Information

### Catalog Number:

15840-1-AP

### Size:

150ul , Concentration: 267 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8592

### GenBank Accession Number:

BC007460

### GeneID (NCBI):

55

### UNIPROT ID:

P15309

### Full Name:

acid phosphatase, prostate

### Calculated MW:

418 aa, 48 kDa

### Observed MW:

50-60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:20-1:200

## Applications

### Tested Applications:

WB, IF, IHC, ELISA

### Cited Applications:

WB, IP, IF, IHC

### Species Specificity:

human, mouse

### Cited Species:

chicken, Rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : PC-3 cells, COLO 320 cells, MCF-7 cells, mouse lung tissue, mouse testis tissue

**IHC** : human prostate cancer tissue, human prostate hyperplasia tissue

**IF/ICC** : PC-3 cells,

## Background Information

ACPP is also named as PAP(prostatic acid phosphatase),5'-nucleotidase, thiamine monophosphatase 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). This protein has three glycosylation sites(PMID:10639192;12525165).

## Notable Publications

Author	Pubmed ID	Journal	Application
Hyocheol Bae	24829029	Biol Reprod	IHC
Whasun Lim	25482440	Biochem Biophys Res Commun	IHC, IF
Xiaoxin Zhou	35138669	Eur J Pain	WB,IF,IP

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

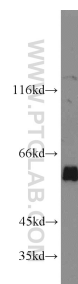
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

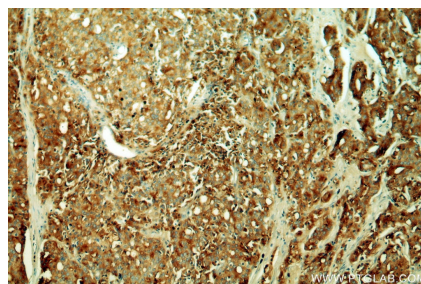
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

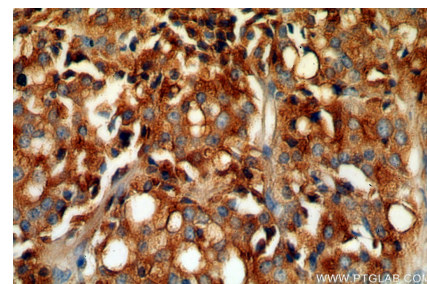
## Selected Validation Data



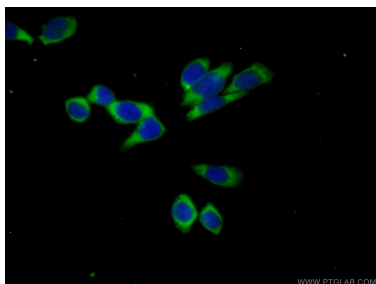
PC-3 cells were subjected to SDS PAGE followed by western blot with 15840-1-AP (ACPP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 15840-1-AP (ACPP antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 15840-1-AP (ACPP antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using 15840-1-AP (ACPP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).