

## ACPP Monoclonal antibody

Catalog Number: 60176-1-Ig 1 Publications

## Basic Information

Catalog Number: 60176-1-Ig	GenBank Accession Number: BC007460	Purification Method: Protein A purification
Size: 1600 µg/ml	GeneID (NCBI): 55	CloneNo.: 1G2C9
Source: Mouse	UNIPROT ID: P15309	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200 IF 1:200-1:800
Isotype: IgG2a	Full Name: acid phosphatase, prostate	
Immunogen Catalog Number: AG8578	Calculated MW: 418 aa, 48 kDa Observed MW: 45-50 kDa	

## Applications

Tested Applications: IF-P, IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : human testis tissue,
Species Specificity: human, rat	IHC : human prostate hyperplasia tissue,
Cited Species: human	IF : human prostate cancer tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Chong Wang	35185790	Front Endocrinol (Lausanne)	WB

## 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

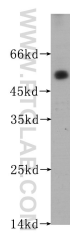
For technical support and original validation data for this product please contact:

T: 4006900926

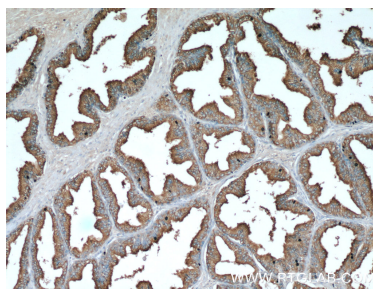
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

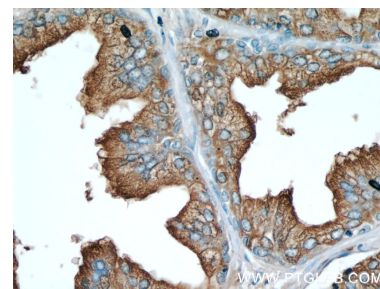
## Selected Validation Data



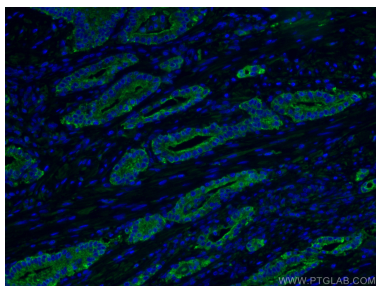
human testis tissue were subjected to SDS PAGE followed by western blot with 60176-1-Ig (ACPP antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



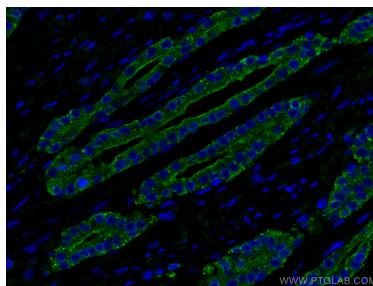
Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia using 60176-1-Ig(ACPP antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia using 60176-1-Ig(ACPP antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using ACPG antibody (60176-1-Ig, Clone: 1G2C9 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using ACPG antibody (60176-1-Ig, Clone: 1G2C9 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).