

# ACPP Polyclonal antibody

Catalog Number: 24410-1-AP

## Basic Information

Catalog Number:	24410-1-AP	GenBank Accession Number:	BC007460	Purification Method:	Antigen affinity purification
Size:	400 µg/ml	GeneID (NCBI):	55	Recommended Dilutions:	IHC 1:20-1:200
Source:	Rabbit	UNIPROT ID:	P15309		
Isotype:	IgG	Full Name:	acid phosphatase, prostate		
Immunogen Catalog Number:	AG19701	Calculated MW:	418 aa, 48 kDa		

## Applications

Tested Applications:	IHC, ELISA	Positive Controls:	
Species Specificity:	human	IHC :	human prostate cancer tissue,

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

## 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).

## 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

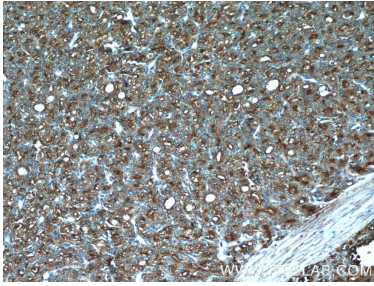
For technical support and original validation data for this product please contact:

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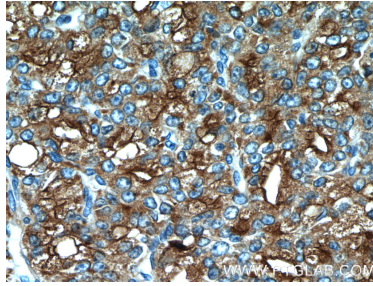
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 24410-1-AP (ACPP Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 24410-1-AP (ACPP Antibody) at dilution of 1:50 (under 40x lens).