

ACPP Polyclonal antibody

Catalog Number: 24410-1-AP

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
24410-1-AP	BC007460	Antigen affinity purification
Size:	GeneID (NCBI):	Recommended Dilutions:
400 µg/ml	55	IHC 1:50-1:500
Source:	UNIPROT ID:	
Rabbit	P15309	
Isotype:	Full Name:	
IgG	acid phosphatase, prostate	
Immunogen Catalog Number:	Calculated MW:	
AG19701	418 aa, 48 kDa	

Applications

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

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

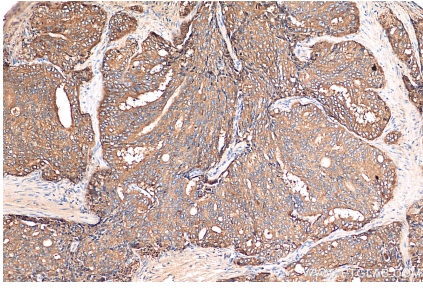
Background Information

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).

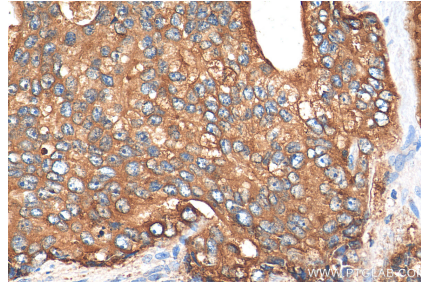
Storage

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 24410-1-AP (ACPP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 24410-1-AP (ACPP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).