

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: 150ul , Concentration: 400 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	Full Name: acid phosphatase, prostate	
Isotype: IgG	Calculated MW: 418 aa, 48 kDa	
Immunogen Catalog Number: AG19701		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human prostate cancer 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

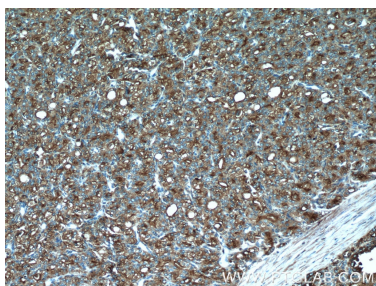
ACPP is also named as PAP(prostatic acid phosphatase), 5'-nucleotidase, thiamine monophosphatase and belongs to the histidine acid phosphatase family. This enzyme is a homodimeric glycoprotein with a subunit molecular mass of 50 kDa and is an androgen-stimulated secretory product of the human prostate 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

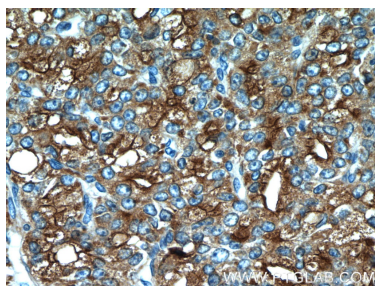
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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).