

For Research Use Only

Biotin-conjugated ACPP Monoclonal antibody

Catalog Number: Biotin-60176



Basic Information

Catalog Number: Biotin-60176	GenBank Accession Number: BC007460	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 55	CloneNo.: 1G2C9
Source: Mouse	UNIPROT ID: P15309	Recommended Dilutions: IHC: 1:500-1:2000
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: IHC	Positive Controls: IHC : human prostate cancer tissue,
Species Specificity: human, rat	
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 monophosphatas 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).

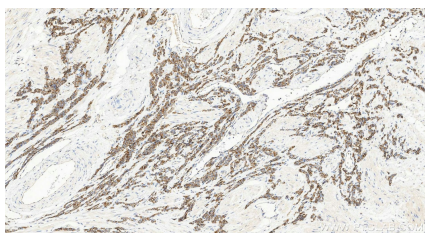
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

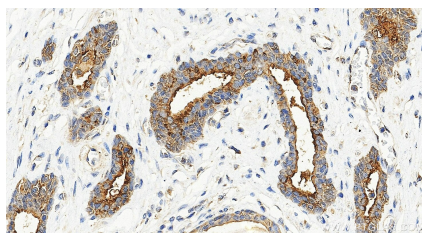
For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using Biotin-60176 (ACPP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using Biotin-60176 (ACPP antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).