For Research Use Only

Biotin-conjugated ACPP Monoclonal antibody

Catalog Number:Biotin-60176

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Basic Information

Catalog Number:
Biotin-60176

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG8578

GenBank Accession Number:
BC007460

GeneID (NCBI):
55

UNIPROT ID:
P15309

Full Name:
acid phosphatase, prostate

Calculated MW:
418 aa, 48 kDa

Observed MW:
45-50 kDa

Purification Method:
Protein A purification

CloneNo.:
1G2C9

Recommended Dilutions:
IHC: 1:500-1:2000

Applications

Tested Applications:
IHC

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

Positive Controls:

IHC : human prostate cancer tissue,

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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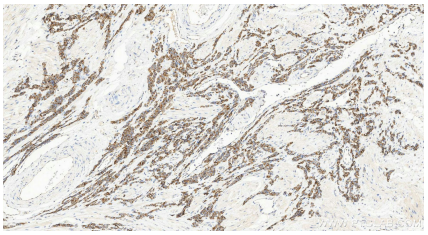
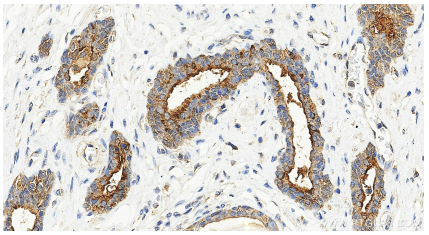
Selected Validation Data



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).