

For Research Use Only

ACPP Polyclonal antibody

Catalog Number: 15840-1-AP

4 Publications



Basic Information

| | | |
|--|---|---|
| Catalog Number: 15840-1-AP | GenBank Accession Number: BC007460 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 267 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 55 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:20-1:200 |
| Source: Rabbit | Full Name: acid phosphatase, prostate | |
| Isotype: IgG | Calculated MW: 418 aa, 48 kDa | |
| Immunogen Catalog Number: AG8592 | Observed MW: 50-60 kDa | |

Applications

| | |
|--|---|
| Tested Applications: IF, IHC, WB, ELISA | Positive Controls: |
| Cited Applications: IF, IHC, IP, WB | WB : PC-3 cells, COLO 320 cells, MCF-7 cells, mouse lung tissue, mouse testis tissue |
| Species Specificity: human, mouse | IHC : human prostate cancer tissue, human prostate hyperplasia tissue |
| Cited Species: chicken, mouse, Rat | IF : PC-3 cells, |
| 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).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|----------------------------|-------------|
| Hyocheol Bae | 24829029 | Biol Reprod | IHC |
| Whasun Lim | 25482440 | Biochem Biophys Res Commun | IHC, IF |
| Xiaoxin Zhou | 35138669 | Eur J Pain | WB,IF,IP |

Storage

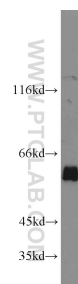
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

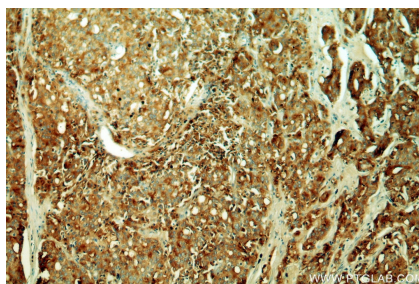
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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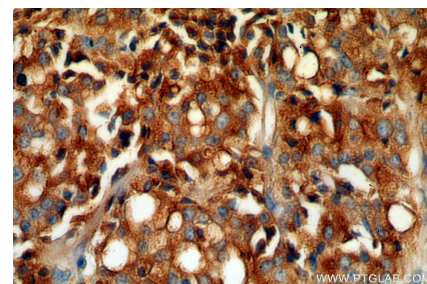
Selected Validation Data



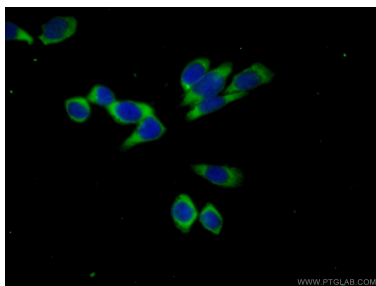
PC-3 cells were subjected to SDS PAGE followed by western blot with 15840-1-AP (ACPP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 15840-1-AP (ACPP antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 15840-1-AP (ACPP antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using 15840-1-AP (ACPP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).