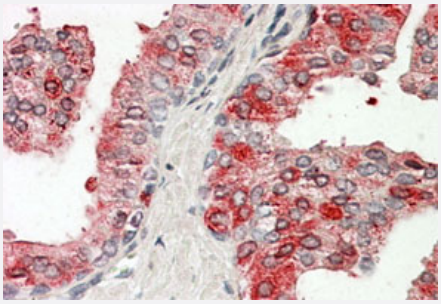
# ACPP polyclonal antibody

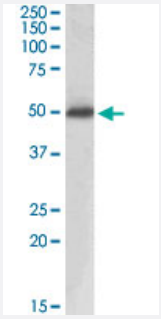
Catalog # PAB19651 Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

ACPP polyclonal antibody (Cat # PAB19651) (3.8 ug/mL) staining of paraffin embedded human prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.




### Western Blot (Tissue lysate)

ACPP polyclonal antibody (Cat # PAB19651) (0.3 ug/mL) staining of human prostate lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

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|---|---|
| **Product Description** | Goat polyclonal antibody raised against synthetic peptide of ACPP. |
| **Immunogen** | A synthetic peptide corresponding to internal region of human ACPP. |
| **Sequence** | C-YGIHKQKEKSRLQ |
| **Host** | Goat |
| **Theoretical MW (kDa)** | 44.6 |
| **Reactivity** | Human |
| **Specificity** | This antibody is expected to recognize both isoforms (NP_001090.2; NP_001127666.1). |

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| | |
|---|---|
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Concentration** | 0.5 mg/mL |
| **Recommend Usage** | ELISA (1:64000)<br>Western Blot (0.3-1 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-5 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  ACPP polyclonal antibody (Cat # PAB19651) (3.8 ug/mL) staining of paraffin embedded human prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Tissue lysate)

  ACPP polyclonal antibody (Cat # PAB19651) (0.3 ug/mL) staining of human prostate lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Gene Info — ACPP

| | |
|---|---|
| **Entrez GeneID** | 55 |
| **Protein Accession#** | NP_001090.2 |
| **Gene Name** | ACPP |
| **Gene Alias** | ACP-3, ACP3, PAP |
| **Gene Description** | acid phosphatase, prostate |
| **Omim ID** | 171790 |

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| | |
|---|---|
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes an enzyme that catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is synthesized under androgen regulation and is secreted by the epithelial cells of the prostate gland. An alternatively spliced transcript variant encoding a longer isoform has been found for this gene. This isoform contains a transmembrane domain and is localized in the plasma membrane-endosomal-lysosomal pathway. [provided by RefSeq |
| **Other Designations** | prostatic acid phosphotase |

## Pathway

- gamma-Hexachlorocyclohexane degradation
- Riboflavin metabolism

## Disease

- Tobacco Use Disorder

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