

**ACPP / PAP Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS15402****Specification**

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**ACPP / PAP Antibody (Internal) - Product Information**

|                   |                                    |
|-------------------|------------------------------------|
| Application       | WB, IHC-P, E                       |
| Primary Accession | <a href="#">P15309</a>             |
| Reactivity        | Human, Monkey                      |
| Host              | Goat                               |
| Clonality         | Polyclonal                         |
| Calculated MW     | 45kDa KDa                          |
| Dilution          | WB~~1:1000<br>IHC-P~~N/A<br>E~~N/A |

**ACPP / PAP Antibody (Internal) - Additional Information****Gene ID** 55**Other Names**

Prostatic acid phosphatase, PAP, 3.1.3.2, 5'-nucleotidase, 5'-NT, 3.1.3.5, Ecto-5'-nucleotidase, Thiamine monophosphatase, TMPase, PAPf39, ACPP

**Target/Specificity**

Human ACPP. This antibody is expected to recognize both reported isoforms (NP\_001127666.1; NP\_001090.2).

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

ACPP / PAP Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACPP / PAP Antibody (Internal) - Protein Information****Name** ACP3 ([HGNC:125](#))**Synonyms** ACPP**Function**

A non-specific tyrosine phosphatase that dephosphorylates a diverse number of substrates under acidic conditions (pH 4-6) including alkyl, aryl, and acyl orthophosphate monoesters and phosphorylated proteins (PubMed:<a href="http://www.uniprot.org/citations/10506173" target="\_blank">10506173</a>, PubMed:<a href="http://www.uniprot.org/citations/15280042" target="\_blank">15280042</a>, PubMed:<a href="http://www.uniprot.org/citations/20498373" target="\_blank">20498373</a>, PubMed:<a href="http://www.uniprot.org/citations/9584846" target="\_blank">9584846</a>)

target="\_blank">9584846</a>). Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma (PubMed:<a href="http://www.uniprot.org/citations/10506173" target="\_blank">10506173</a>, PubMed:<a href="http://www.uniprot.org/citations/15280042" target="\_blank">15280042</a>).

#### **Cellular Location**

[Isoform 1]: Secreted

#### **Tissue Location**

Highly expressed in the prostate, restricted to glandular and ductal epithelial cells. Also expressed in bladder, kidney, pancreas, lung, cervix, testis and ovary. Weak expression in a subset of pancreatic islet cells, squamous epithelia, the pilosebaceous unit, colonic neuroendocrine cells and skin adnexal structures. Low expression in prostate carcinoma cells and tissues

#### **ACPP / PAP Antibody (Internal) - Protocols**

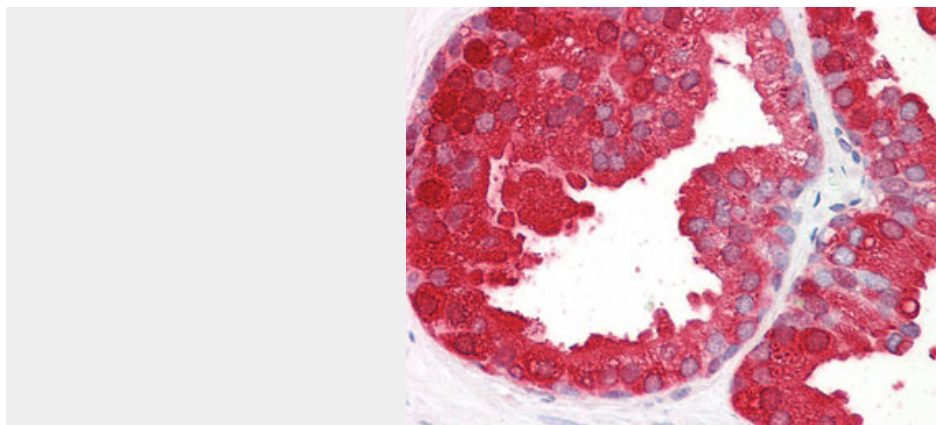
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **ACPP / PAP Antibody (Internal) - Images**



ACPP antibody (0.01 ug/ml) staining of Human Prostate lysate (35 ug protein/ml in RIPA buffer).



Anti-ACPP antibody IHC of human prostate.

#### **ACPP / PAP Antibody (Internal) - Background**

A non-specific tyrosine phosphatase that dephosphorylates a diverse number of substrates under acidic conditions (pH 4-6) including alkyl, aryl, and acyl orthophosphate monoesters and phosphorylated proteins. Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma.

#### **ACPP / PAP Antibody (Internal) - References**

- Sharief F.S., et al. Biochem. Biophys. Res. Commun. 184:1468-1476(1992).  
van Etten R.L., et al. J. Biol. Chem. 266:2313-2319(1991).  
Sharief F.S., et al. Biochem. Biophys. Res. Commun. 160:79-86(1989).  
Vihko P., et al. FEBS Lett. 236:275-281(1988).  
Tailor P.G., et al. Nucleic Acids Res. 18:4928-4928(1990).