

**Goat anti-ACPP / PAP (aa269-282), Biotinylated Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4488a

**Specification**

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**Goat anti-ACPP / PAP (aa269-282), Biotinylated Antibody - Product Information**

Application	WB, Pep-ELISA
Primary Accession	<a href="#">P15309</a>
Other Accession	<a href="#">NP_001127666.1</a> , <a href="#">NP_001090.2</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	44566

**Goat anti-ACPP / PAP (aa269-282), Biotinylated Antibody - Additional Information**

**Gene ID** 55

**Other Names**

ACPP; acid phosphatase, prostate; ACP-3; ACP3; PAP; OTTHUMP00000216107; prostatic acid phosphatase; prostatic acid phosphotase

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

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

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-ACPP / PAP (aa269-282), Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-ACPP / PAP (aa269-282), Biotinylated Antibody - 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>). 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

#### Goat anti-ACPP / PAP (aa269-282), Biotinylated Antibody - 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](#)

#### Goat anti-ACPP / PAP (aa269-282), Biotinylated Antibody - Images