

**ACPP / PAP (aa269-282) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3540a**Specification****ACPP / PAP (aa269-282) Antibody (internal region) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P15309</a>
Other Accession	<a href="#">NP_001127666.1</a> , <a href="#">NP_001090.2</a> , <a href="#">55</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	44566

**ACPP / PAP (aa269-282) Antibody (internal region) - 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

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**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**

ACPP / PAP (aa269-282) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACPP / PAP (aa269-282) Antibody (internal region) - 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: [10506173](http://www.uniprot.org/citations/10506173), PubMed: [15280042](http://www.uniprot.org/citations/15280042), PubMed: [20498373](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

#### ACPP / PAP (aa269-282) Antibody (internal region) - Protocols

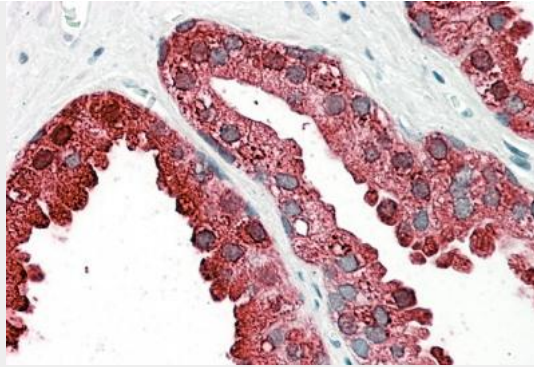
Provided below are standard protocols that you may find useful for product applications.

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

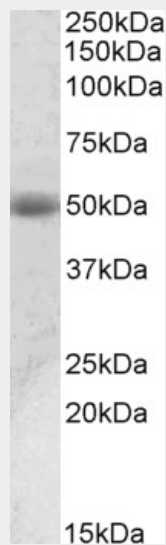
#### ACPP / PAP (aa269-282) Antibody (internal region) - Images



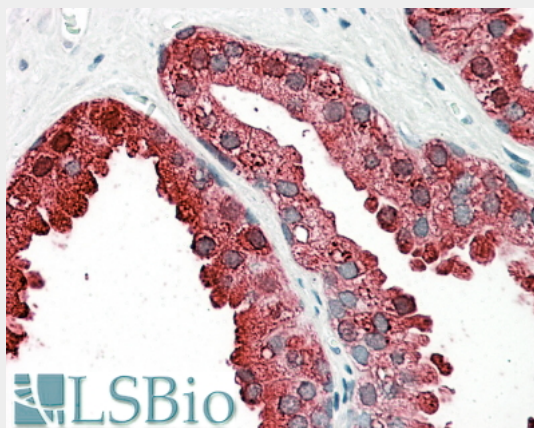
AF3540a (0.01 µg/ml) staining of Human Prostate lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3540a (3.8  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB10915 (0.01 $\mu\text{g/ml}$ ) staining of Human Prostate lysate (35 $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10915 (3.8 $\mu\text{g/ml}$ ) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

#### **ACPP / PAP (aa269-282) Antibody (internal region) - Background**

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

#### **ACPP / PAP (aa269-282) Antibody (internal region) - References**

Semen-derived amyloid fibrils drastically enhance HIV infection. Månch J, Racker E, Stændker L, Adermann K, Goffinet C, Schindler M, Wildum S, Chinnadurai R, Rajan D, Specht A, Giménez-Gallego G, Sánchez PC, Fowler DM, Koulov A, Kelly JW, Mothes W, Grivel JC, Margolis L, Keppler OT, Forssmann WG, Kirchhoff F, Cell 2007 Dec 131 (6): 1059-71. PMID: 18083097