

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	P15309
Other Accession	NP_001127666.1 , NP_001090.2 , 55
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, PubMed:9584846). Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma (PubMed:10506173, PubMed:15280042).

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

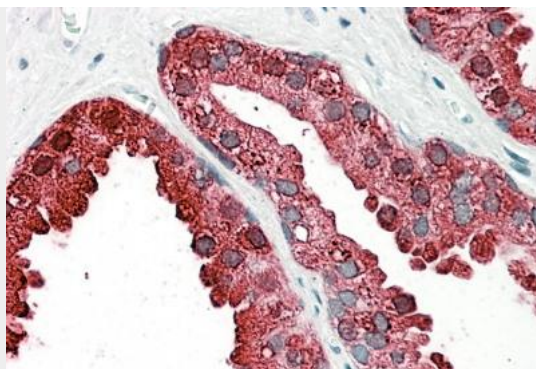
Provided below are standard protocols that you may find useful for product applications.

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

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



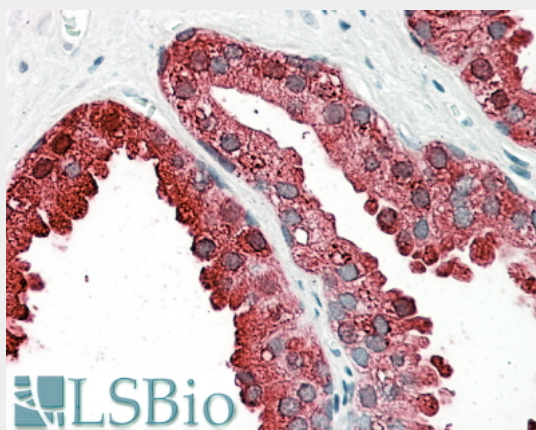
AF3540a (0.01 µg/ml) staining of Human Prostate lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



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 μg 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. Münch J, Racker E, Stöndker 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