

**ACPP Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP7592b**Specification**

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**ACPP Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P15309](#)**ACPP Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 55

**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7592b](/products/AP7592b) was selected from the C-term region of human ACPP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ACPP Antibody (C-term) Blocking Peptide - 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), PubMed: [9584846](http://www.uniprot.org/citations/9584846)). Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma (PubMed: [10506173](http://www.uniprot.org/citations/10506173), PubMed: [15280042](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 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ACPP Antibody (C-term) Blocking Peptide - Images****ACPP Antibody (C-term) Blocking Peptide - Background**

ACPP is an enzyme which 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.

**ACPP Antibody (C-term) Blocking Peptide - References**

Quintero,I.B., Cancer Res. 67 (14), 6549-6554 (2007)Klyushnenkova,E.N., Prostate 67 (10), 1019-1028 (2007)Johnson,J.L., Biochem. J. 391 (PT 3), 699-710 (2005)