

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

ACPP Antibody (C-term) Blocking Peptide - Product InformationPrimary 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).

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)