

**Prostatic Acid Phosphatase Antibody**  
Rabbit mAb  
Catalog # AP92053

### Specification

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#### Prostatic Acid Phosphatase Antibody - Product Information

Application	WB, IHC, ICC, IP
Primary Accession	<a href="#">P15309</a>
Clonality	Monoclonal
<b>Other Names</b>	
5'-NT; 5'-nucleotidase; ACP3; PAP; Prostatic acid phosphatase; TMPase;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	44566 Da

#### Prostatic Acid Phosphatase Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human PAP ( prostatic acid phosphatase)</b>
Description	<b>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. Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

#### Prostatic Acid Phosphatase 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: [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:<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

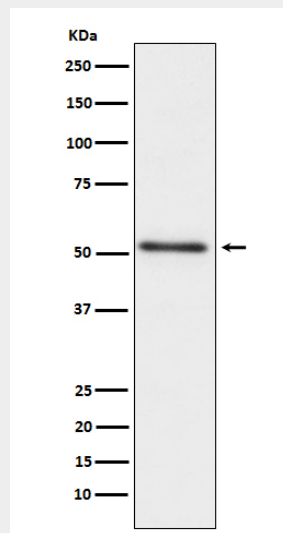
Highly expressed in the prostate, restricted to glandular and ductal epithelial cells. Also expressed in bladder, kidney, pancreas, lung, cervix, testis and ovary. Weak expression in a subset of pancreatic islet cells, squamous epithelia, the pilosebaceous unit, colonic neuroendocrine cells and skin adnexal structures. Low expression in prostate carcinoma cells and tissues

## Prostatic Acid Phosphatase 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](#)

## Prostatic Acid Phosphatase Antibody - Images



Western blot analysis of PAP ( prostatic acid phosphatase) expression in human prostate cancer lysate.