

**Prostatic Acid Phosphatase Antibody**  
Rabbit mAb  
Catalog # AP91880

**Specification**

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**Prostatic Acid Phosphatase Antibody - Product Information**

Application WB, IHC, ICC, IP  
Primary Accession [P15309](#)  
Clonality Monoclonal  
**Other Names**  
ACP3; PAP; TMPase;

Isotype Rabbit IgG  
Host Rabbit  
Calculated MW 44566 Da

**Prostatic Acid Phosphatase Antibody - Additional Information**

Purification Affinity-chromatography  
Immunogen A synthesized peptide derived from human Prostatic Acid Phosphatase  
Description 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.  
Storage Condition and Buffer 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.

**Prostatic Acid Phosphatase Antibody - Protein Information**

Name ACP3 ([HGNC:125](#))

Synonyms ACP3

**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

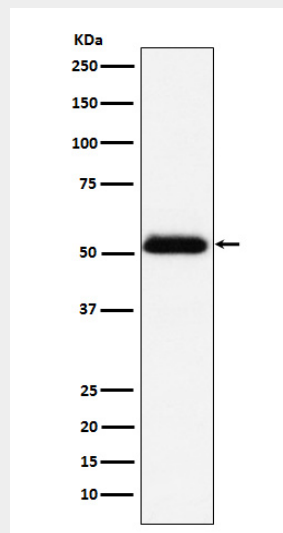
Highly expressed in the prostate, restricted to glandular and ductal epithelial cells. Also expressed in bladder, kidney, pancreas, lung, cervix, testis and ovary. Weak expression in a subset of pancreatic islet cells, squamous epithelia, the pilosebaceous unit, colonic neuroendocrine cells and skin 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 Prostatic Acid Phosphatase expression in human prostate cancer lysate.