

ACPP / PAP Antibody
Mouse Monoclonal Antibody
Catalog # ALS12645**Specification**

ACPP / PAP Antibody - Product Information

Application	IHC
Primary Accession	P15309
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	45kDa KDa

ACPP / PAP Antibody - 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

Target/Specificity

PAP 100%

Reconstitution & Storage

Store at 4°C.

Precautions

ACPP / PAP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ACPP / PAP 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, PubMed:15280042, PubMed:20498373, PubMed:9584846). Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma (PubMed:10506173, PubMed:15280042).

Cellular Location

[Isoform 1]: Secreted

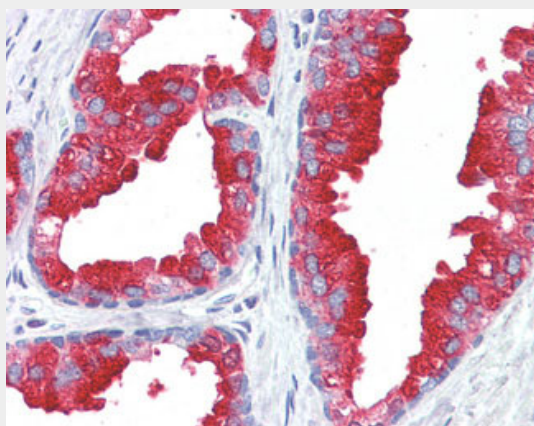
Tissue Location

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 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](#)

ACPP / PAP Antibody - Images

Anti-Prostatic Acid Phosphatase antibody IHC of human prostate.

ACPP / PAP Antibody - Background

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.

ACPP / PAP Antibody - References

Sharief F.S., et al. Biochem. Biophys. Res. Commun. 184:1468-1476(1992).
van Etten R.L., et al. J. Biol. Chem. 266:2313-2319(1991).
Sharief F.S., et al. Biochem. Biophys. Res. Commun. 160:79-86(1989).
Vihko P., et al. FEBS Lett. 236:275-281(1988).
Tailor P.G., et al. Nucleic Acids Res. 18:4928-4928(1990).