

ACPP / PAP Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS15366**Specification**

ACPP / PAP Antibody (Internal) - Product Information

Application	WB, IHC-P, E
Primary Accession	P15309
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	45kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

ACPP / PAP Antibody (Internal) - 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

Human ACPP. This antibody is expected to recognize both isoforms (NP_001090.2; NP_001127666.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

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

ACPP / PAP Antibody (Internal) - 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)

target="_blank">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 (Internal) - Protocols

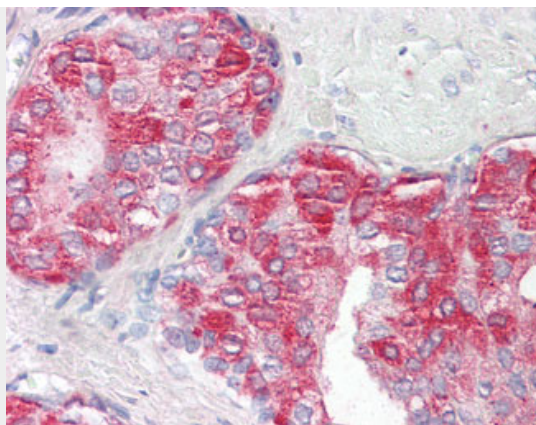
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACPP / PAP Antibody (Internal) - Images



ACPP antibody (0.3 ug/ml) staining of Human Prostate lysate (35 ug protein/ml in RIPA buffer).



Anti-ACPP antibody IHC of human prostate.

ACPP / PAP Antibody (Internal) - 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 (Internal) - 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).