10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Prostatic Acid Phosphatase ACPP Monoclonal Antibody
Catalog # ABO14748

Specification

Anti-Prostatic Acid Phosphatase ACPP Monoclonal Antibody - Product Information

Application	**WB, IHC, IF, ICC, IP**
Primary Accession	P15309
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-Prostatic Acid Phosphatase ACPP Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human.

Anti-Prostatic Acid Phosphatase ACPP Monoclonal 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, Protein tyrosine phosphatase ACP3, 3.1.3.48, Thiamine monophosphatase, TMPase, PAPf39, ACP3 (HGNC:125), ACPP

Application Details
WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:50

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human PAP (prostatic acid phosphatase)

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-Prostatic Acid Phosphatase ACPP Monoclonal 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

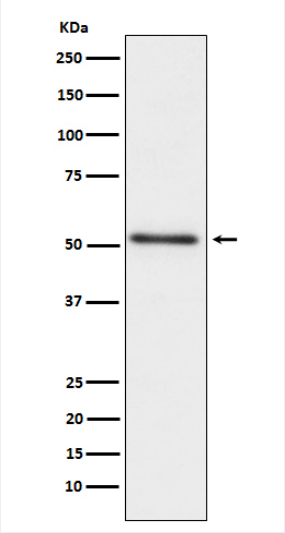
Tissue Location
Highly expressed in the prostate, restricted to glandular and ductal epithelial cells. Also expressed in bladder, kidney, pancreas, lung, cervix, testis and ovary. Weak expression in a subset of pancreatic islet cells, squamous epithelia, the pilosebaceous unit, colonic neuroendocrine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

Anti-Prostatic Acid Phosphatase ACPP Monoclonal 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 Cytomety
- Cell Culture

Anti-Prostatic Acid Phosphatase ACPP Monoclonal Antibody - Images



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