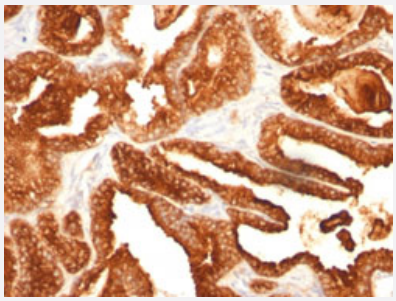
ACPP monoclonal antibody, clone SPM312

Catalog # MAB14886 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate carcinoma with ACPP monoclonal antibody, clone SPM312 (Cat # MAB14886).

Specification

Product Description	Mouse monoclonal antibody raised against native human ACPP.
Immunogen	Native purified ACPP from human seminal plasma.
Host	Mouse
Theoretical MW (kDa)	52
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.

Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate carcinoma with ACPP monoclonal antibody, clone SPM312 (Cat # MAB14886).

- Immunofluorescence

- Flow Cytometry

Gene Info — ACPP

Entrez GeneID	55
Protein Accession#	P15309
Gene Name	ACPP
Gene Alias	ACP-3, ACP3, PAP
Gene Description	acid phosphatase, prostate
Omim ID	171790
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme that catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is synthesized under androgen regulation and is secreted by the epithelial cells of the prostate gland. An alternatively spliced transcript variant encoding a longer isoform has been found for this gene. This isoform contains a transmembrane domain and is localized in the plasma membrane-endosomal-lysosomal pathway. [provided by RefSeq
Other Designations	prostatic acid phosphotase

Publication Reference

- A novel hybridoma antibody (PASE/4LJ) to human prostatic acid phosphatase suitable for immunohistochemistry.

  Haines AM, Larkin SE, Richardson AP, Stirling RW, Heyderman E.

  British Journal of Cancer 1989 Dec; 60(6):887.

Pathway

- gamma-Hexachlorocyclohexane degradation
- Riboflavin metabolism

Disease

- Tobacco Use Disorder