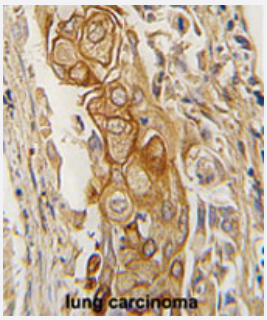
ACPP polyclonal antibody

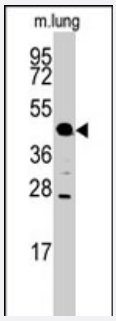
Catalog # PAB2990 Size 400 uL

Applications



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

Formalin-fixed and paraffin-embedded human lung carcinomareacted with ACPP polyclonal antibody (Cat # PAB2990), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.
This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blot (Tissue lysate)

Western blot analysis of ACPP polyclonal antibody (Cat # PAB2990) in mouse lung tissue lysates (35 ug/lane). ACPP (arrow) was detected using the purified polyclonal antibody.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ACPP.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human ACPP.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation

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Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

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Gene Info — ACPP

Entrez GeneID	55
Protein Accession#	NP_001090;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 alc ohol and orthophosphate. It is synthesized under androgen regulation and is secreted by the epith elial cells of the prostate gland. An alternatively spliced transcript variant encoding a longer isofor m has been found for this gene. This isoform contains a transmembrane domain and is localized i n the plasma membrane-endosomal-lysosomal pathway. [provided by RefSeq
Other Designations	prostatic acid phosphotase

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Publication Reference

- Prostatic acid phosphatase is not a prostate specific target.

  Quintero IB, Araujo CL, Pulkka AE, Wirkkala RS, Herrala AM, Eskelinen EL, Jokitalo E, Hellstrom PA, Tuominen HJ, Hirvikoski PP, Vihko PT.

  Cancer Research 2007 Jul; 67(14):6549.

  Application: IEM, IF, IHC, Human, LNCaP, SW-10 cells, Human skeletal muscle

- Identification of HLA-DRB1*1501-restricted T-cell epitopes from human prostatic acid phosphatase.

  Klyushnenkova EN, Kouiavskaia DV, Kodak JA, Vandenbark AA, Alexander RB.

  Prostate 2007 Jul; 67(10):1019.

- The Rab27a-binding protein, JFC1, regulates androgen-dependent secretion of prostate-specific antigen and prostatic-specific acid phosphatase.

  Johnson JL, Ellis BA, Noack D, Seabra MC, Catz SD.

  The Biochemical Journal 2005 Nov; 391(Pt 3):699.

  Application: IF, Human, LNCaP cells

Pathway

- gamma-Hexachlorocyclohexane degradation
- Riboflavin metabolism

Disease

- Tobacco Use Disorder

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