

Rabbit ACP/PAP Polyclonal Antibody | anti-ACPP antibody

ACPP/PAP Rabbit anti-Human Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA163330	Rabbit	Mouse, Rat, Human	Western Blot, Immunohistochemistry

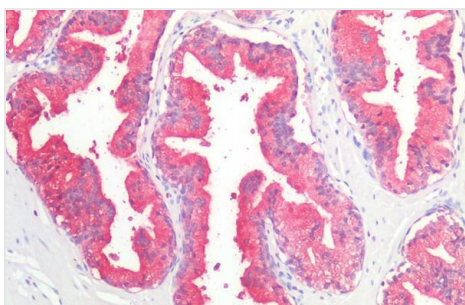
PRODUCT SYNONYMS

ACPP/PAP; Polyclonal Antibody; ACP/PAP Rabbit anti-Human Polyclonal Antibody; PathPlus ACP/PAP Antibody; ACP/P; ACP3; 5-NT; 5-nucleotidase; Acid phosphatase; prostate; ACP-3; Ecto-5-nucleotidase; PAP; Prostatic acid phosphatase; Thiamine monophosphatase; Prostatic acid phosphatase; TMPase; anti-ACPP antibody

PRODUCT SPECIFICATIONS

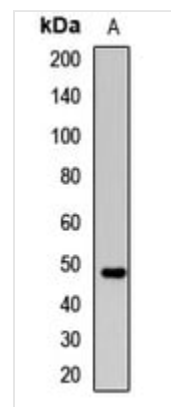
Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of TMPase protein.
Purity/Purification	Immunoaffinity chromatography
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ACPP antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target	Human ACP/PAP
Immunogen	Recombinant full length protein of human TMPase
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store at -20 degree C for 1 year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

ACPP/PAP Antibody-Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)
ACPP/PAP Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ACPP antibody	PAP antibody is an unconjugated rabbit polyclonal antibody to PAP (ACPP) from human. It is reactive with human, mouse and rat. Validated for IHC and WB. PSAP (ACPP, prostatic acid phosphatase) is a dephosphorylating enzyme produced in prostatic glandular epithelium. PSAP is a positive biomarker for hyperplastic prostate in immunohistochemistry and may be used to identify prostate origin in metastatic cancers. PSAP distinguishes prostate cancer (positive) from urothelial cancer, mesonephric remnant hyperplasia and clear cell tumors (generally negative). It is also positive in bladder and rectal carcinomas. Higher expression in tumors has been correlated with increasing tumor stage, although it is thought to be a tumor suppressant by means of vitamin D-associated slowing of prostate growth. Lower expression in normal tissue is therefore thought to be a risk factor for the development of cancer. In immunohistochemistry of normal tissue, antibodies to PSAP have cytoplasmic positivity in lysosomal granules in normal prostatic epithelial and ductal cells.
References	Virchows Archiv: An International Journal of Pathology 2009-05; 454.5; 573-579, PMID: 19301031; Cancer Research 9/1/1992; 52.17; 4600-4607, PMID:1380886; The Journal of Steroid Biochemistry and Molecular Biology 2005-10; 97.43102; 37-46, PMID: 16076555; Biomolecules & Therapeutics 2013-01; 21.1; 43393, PMID: 24009853; Journal of Immunology (Baltimore, Md.: 1950) 12/15/2001; 167.12; 7150-7156, PMID: 11739538; The American Journal of Surgical Pathology 1991-08; 15.8; 785-790, PMID; 1712549; Appl Immunohistochem Mol Morphol. 2002 Sep;10(3):231-6, PMID: 12373149; Ann Diagn Pathol 2009;13:402, PMID: 19917478;

NCBI AND UNIPROT INFORMATION

NCBI GI #	6382064
NCBI GeneID	55
NCBI Accession #	NP_001090.2
NCBI GenBank Nucleotide #	NM_001099
UniProt Accession #	P15309; Q5FBY0; Q96KY0; Q96QK9; Q96QM0; D3DNC6
Molecular Weight	40,443 Da
NCBI Official Full Name	prostatic acid phosphatase isoform PAP
NCBI Official Synonym Full Names	acid phosphatase, prostate
NCBI Official Symbol	ACPP
NCBI Official Synonym Symbols	ACP3; 5'-NT; ACP-3
NCBI Protein Information	prostatic acid phosphatase
UniProt Protein Name	Prostatic acid phosphatase
UniProt Gene Name	ACPP
UniProt Synonym Gene Names	PAP; 5'-NT; TMPase
UniProt Entry Name	PPAP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acpp-pap-antibody-western-blot-immunohistochemistry-elisa/163330>