

Product datasheet for **AP21364BT-N**

Prostatic Acid Phosphatase (ACPP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IP, R, WB
Recommended Dilution:	This product is intended for use in precipitating and non-precipitating antibody-binding assays (such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques). Working dilutions in non-precipitating antibody-binding techniques: 1/100-1/1,000.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Acid Phosphatase isolated and purified from Human seminal plasma. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Acid Phosphatase from Human seminal plasma. The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and Enzyme Inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined
Formulation:	PBS, pH 7.2 without preservatives and foreign proteins. Label: Biotin State: Lyophilized hyperimmune IgG fraction. Molar ratio: Biotin/IgG ~ 6.0
Reconstitution Method:	Restore by adding 1.0 ml of sterile distilled water
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography.
Conjugation:	Biotin



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	acid phosphatase, prostate
Database Link:	Entrez Gene 55 Human P15309
Background:	Prostatic acid phosphatase is one of the two antigenic markers of prostatic carcinoma, the other being prostate specific antigen. It belongs to the kallikrein family of serine proteases and is suggested to act as a hydrolase to split phospharyl choline in semen and as a transferase.
Synonyms:	Prostate acid phosphatase, PAP, ACP3, PSAP
Protein Families:	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways:	Riboflavin metabolism