

**AP21364BT-N****Polyclonal Antibody to Acid Phosphatase - Biotin**

<b>Alternate names:</b>	ACP3, PAP, PSAP, Prostate acid phosphatase
<b>Quantity:</b>	1 ml
<b>Concentration:</b>	10.0 mg/ml
<b>Background:</b>	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 phosphoryl choline in semen and as a transferase.
<b>Uniprot ID:</b>	<a href="#">P15309</a>
<b>NCBI:</b>	<a href="#">NP_001090</a>
<b>GeneID:</b>	<a href="#">55</a>
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	Acid Phosphatase isolated and purified from Human seminal plasma. Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Format:</b>	<b>State:</b> Lyophilized hyperimmune IgG fraction. <b>Purification:</b> Ammonium Sulphate Precipitation and Ion Exchange Chromatography. <b>Buffer System:</b> PBS, pH 7.2 without preservatives and foreign proteins. <b>Label:</b> Biotin <i>Molar Ratio:</i> Biotin/IgG ~ 6.0 <b>Reconstitution:</b> Restore by adding 1.0 ml of sterile distilled water
<b>Applications:</b>	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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	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 <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	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. Shelf life: one year from despatch.