

AP21365AF-N**Polyclonal Antibody to Acid Phosphatase - Azide Free**

Alternate names:	PAP1, Purple acid phosphatase 1
Quantity:	10 mg
Concentration:	10.0 mg/ml
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 phosphoryl choline in semen and as a transferase.
Uniprot ID:	Q6J5M7
NCBI:	4113
Host / Isotype:	Rabbit / IgG
Immunogen:	Acid Phosphatase isolated and purified from Potato. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized hyperimmune IgG fraction. Purification: Ammonium Sulphate Precipitation and Ion Exchange Chromatography. Buffer System: PBS, pH 7.2 without preservatives and foreign proteins. Reconstitution: Restore by adding 1.0 ml of sterile distilled water
Applications:	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), to prepare an insoluble immuno-affinity adsorbent, for labelling with a marker of the customer's own choice. Working dilutions in non-precipitating antibody-binding techniques: 1/1,000-1/7,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Acid Phosphatase from Potato. 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. Species: Potato. Other species not tested.
Storage:	Store the antibody lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer. If a slight precipitation occurs upon storage, this should be removed by centrifugation. Shelf life: one year from despatch.