

## Product datasheet for **AP31528SU-N**

### Alpha 2 Antiplasmin (SERPINF2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	In precipitating techniques as electroimmunodiffusion (Laurell), immunoelectrophoresis and single and double radial immunodiffusion (Mancini, Ouchterlony). Detection of plasmin-antiplasmin complexes in plasma is evident of plasmin formation and fibrinolysis. <u>Directions for use:</u> In electroimmunodiffusion the amount of antiserum required in the agarose gel is usually between 1 and 2% depending on the test arrangement.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Alpha-2 antiplasmin has been isolated from pooled plasma. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	The defined antibody reactivity is restricted to alpha-2 antiplasmin as tested at the level of sensitivity of immuno-precipitation techniques. A single precipitin line is obtained in bidimensional electrophoresis, immunoelectrophoresis and double radial immunodiffusion (Ouchterlony) which shows a reaction of full identity with the purified immunogen. <u>Cross-reactivity:</u> The antiserum does not cross-react with any other human plasma proteins as tested in gel-diffusion techniques. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.
Formulation:	No preservative added. - No foreign proteins added. State: Serum State: Delipidated, heat inactivated, lyophilized, stable whole serum.
Reconstitution Method:	Restore with 1 ml sterile distilled water.
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Gene Name:** serpin family F member 2

**Database Link:** [Entrez Gene 5345 Human P08697](#)

**Background:** Alpha-2 antiplasmin is a single-chain glycoprotein with a molecular weight of about 65,000. The normal concentration in human plasma is 60 µg/ml. Platelets contain significant amounts of the protein, which is released along with platelet factor 4, following thrombin stimulation. It can form 1:1 complexes with circulating plasmin. Alpha-2 antiplasmin is the most important inhibitor of plasmin-mediated fibrinolysis, but also capable of inactivating factor XIIa, kallikrein, factor XIa, thrombin and factor Xa. The importance of the alpha-2 antiplasmin as regulator of the fibrinolytic system was detected by the discovery of a congenital deficiency.

**Synonyms:** Alpha-2-AP, AAP, PLI, Alpha-2-PI, Serpin F2

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Complement and coagulation cascades