

## Product datasheet for **AP31529SU-N**

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

#### Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Can be used 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 1.5 and 2% depending on the test arrangement.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	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 XIIIa, 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. 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 geldiffusion 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.



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<b>Formulation:</b>	No foreign proteins added. Contains sodium azide at 0,09%. State: Serum State: Delipidated, heat inactivated, lyophilized, stable whole serum.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	serpin family F member 2
<b>Database Link:</b>	<a href="#">Entrez Gene 5345 Human P08697</a>
<b>Synonyms:</b>	Alpha-2-AP, AAP, PLI, Alpha-2-PI, Serpin F2
<b>Note:</b>	<b>Adsorption:</b> Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other human serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Complement and coagulation cascades