

## Product datasheet for **AP32993SU-N**

### **SERPINA1 Goat Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ID, IP
<b>Recommended Dilution:</b>	Can be used in precipitating techniques as immunoelectrophoresis and Single or Double Radial Immunodiffusion to identify the presence of Alpha-1antitrypsin in swine plasma or other body fluids or to determine its concentration. The presence of non precipitating antibodies has not been assayed. This does not exclude the use of the antiserum in more sensitive non-precipitating antibody-binding techniques if proper controls are included.
<b>Reactivity:</b>	Porcine
<b>Host:</b>	Goat
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Isolated from pooled normal plasma. Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Specificity:</b>	The reactivity of the antiserum is restricted to Alpha-1 antitrypsin. In immunoelectrophoresis and Radial Immunodiffusion (Ouchterlony), using various antiserum concentrations against fresh normal Swine plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified alpha-1antitrypsin. No reaction is obtained with any other plasma protein component or serum. <b>Cross-reactivity:</b> The antiserum does not cross react with any other component of Swine plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.
<b>Formulation:</b>	State: Serum State: Lyophilized, Delipidated, Heat inactivated, Stable Whole Antiserum Preservative: None
<b>Reconstitution Method:</b>	Restore by adding 1 ml of sterile distilled water.
<b>Concentration:</b>	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
<b>Conjugation:</b>	Unconjugated



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<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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Database Link:</b>	<a href="#">P50447</a>
<b>Background:</b>	Alpha-1 antitrypsin is a serine protease inhibitor. It has a molecular weight of 54,000, its mean concentration in normal serum is 2.5 mg/ml.
<b>Synonyms:</b>	SERPINA1, AAT
<b>Note:</b>	<b><u>Adsorption:</u></b> Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other plasma proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.