

## Product datasheet for AP31526SU-N

### SERPING1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	<p>In precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of C1 esterase inhibitor in human 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 non-precipitating antibody-binding techniques if proper controls are included.</p> <p>In immunoelectrophoresis use 2 <math>\mu</math>l or equivalent against 120 <math>\mu</math>l antiserum.</p> <p>In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 <math>\mu</math>l in a 3 mm diameter center well and 2 <math>\mu</math>l serum samples (neat and serially diluted) in 2 mm diameter peripheral wells.</p>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	<p>C1 esterase inhibitor is a single chain acid glycoprotein with a molecular weight of 110,000. The protein has a high carbohydrate content. In immunoelectrophoresis it has an alpha mobility. The concentration in normal serum ranges from 150 to 350 <math>\mu</math>g/ml. Reduced levels are observed in hereditary angioedema. It regulates the activation of complement factor C1 as well as the activity of activated C1 by coupling with the active catalytic site at the light chains of C1r and C1s. Moreover it also inhibits, kallikrein, Factor XI and Factor XII. Freund's complete adjuvant is used in the first step of the immunization procedure.</p>
Specificity:	<p>The reactivity of the antiserum is restricted to C1 esterase inhibitor. In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), using various antiserum concentrations against fresh normal human plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified C1 esterase inhibitor. No reaction is obtained with any other plasma protein component or serum.</p> <p><b>Cross-reactivity:</b> The antiserum does not cross react with any other component of human 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.</p>



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<b>Formulation:</b>	No preservative added - No foreign proteins added State: Serum State: Delipidated, heat inactivated, lyophilized, stable whole antiserum
<b>Reconstitution Method:</b>	Restore with 1 ml sterile distilled water.
<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 G member 1
<b>Database Link:</b>	<a href="#">Entrez Gene 710 Human P05155</a>
<b>Synonyms:</b>	C1IN, C1NH, C1 Inh, C1Inh
<b>Note:</b>	<b>Adsorption:</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.
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Complement and coagulation cascades