

## Product datasheet for **AP31530SU-N**

### Prealbumin (TTR) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Can be used as precipitating antiserum to identify or measure human transthyretin by a variety of immunodiffusion techniques, including immunoelectrophoresis, single and double radial immunodiffusion (Mancini, Ouchterlony) and electroimmunodiffusion (Laurell). It has not been tested for use in nephelometry, ELISA or immunochemistry, but this does not exclude such use if proper controls are included. <u>Directions for use:</u> In immunoelectrophoresis use 2 µl serum, plasma or equivalent against 120 µl antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µl antiserum in a 3 mm diameter centre well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells. In single radial immunodiffusion and electroimmunodiffusion use 0.5 to 1.0 percent antiserum in the agar gel.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Transthyretin is the fastest protein in the immunoelectrophoresis pattern of human serum. It consists of four identical polypeptide chains with no carbohydrate. The molecular weight is 55,000 and the concentration in normal serum ranges from 0.1 to 0.4 mg/ml. It can bind thyroxine and retinal and its concentration is reduced in severe liver diseases. Freund's complete adjuvant is used in the first step of the immunization procedure.



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<b>Specificity:</b>	<p>The defined antibody specificity is directed to transthyretin as tested against human sera. In immunoelectrophoresis and double radial immunodiffusion (Ouchterlony), using various antiserum concentrations against appropriate concentrations of the immunogen, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin lines obtained against human serum and the purified transthyretin.</p> <p><u>Cross-reactivity:</u> Inter-species cross-reactivity is a normal feature of antibodies to serum proteins, since homologous proteins of different species frequently share antigenic determinants. The degree of cross-reactivity is also dependent on the concentrations of the reactants and the sensitivity of the assay arrangement. This antiserum has not been tested for cross-reactivity.</p>
<b>Formulation:</b>	<p>No preservative added. - No foreign proteins added. State: Serum State: Delipidated, heat inactivated, lyophilized, stable whole antiserum</p>
<b>Reconstitution Method:</b>	Restore with 1 ml sterile distilled water.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	<p>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.</p>
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	transthyretin
<b>Database Link:</b>	<a href="#">Entrez Gene 7276 Human P02766</a>
<b>Synonyms:</b>	TTR, ATTR, TBPA, PALP
<b>Note:</b>	<b>Adsorption:</b> Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other 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>	ES Cell Differentiation/IPS, Secreted Protein