

Product datasheet for **AP21477SU-N**

Thyroxine Binding Globulin (SERPINA7) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Can be used in precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of thyroxine binding globulin 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 in non-precipitating antibody-binding techniques if proper controls are included.
Reactivity:	Human
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	<p>The reactivity of the antiserum is restricted to thyroxine binding globulin. 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 thyroxine binding globulin. No reaction is obtained with any other plasma protein component or serum. Precipitin titre: 1/16 when tested against pooled normal human plasma in agar-block immunodiffusion titration.</p> <p>Cross-reactivity: The antiserum does not cross react with any other component of human plasma. Interspecies 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>
Formulation:	State: Serum State: Delipidated, heat inactivated, lyophilized, stable whole antiserum
Reconstitution Method:	Restore with 1 ml sterile distilled water.
Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
Conjugation:	Unconjugated



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Storage:	The antibody can be shipped at ambient temperature. Prior to reconstitution store at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Diluted antiserum should be stored at 4°C, not refrozen, and preferably used the same day.
Stability:	Shelf life: one year from despatch.
Gene Name:	serpin family A member 7
Database Link:	Entrez Gene 6906 Human P05543
Background:	Thyroxine binding is a protein with a molecular weight of 55,700 kD. The protein is binding thyroxine as well as triiodothyronine. In immunoelectrophoresis it has a alpha mobility. The mean concentration in normal human serum is about 40 mg/ml. Elevated levels are observed during oestrogen administration, pregnancy hypothyroidism. Reduced levels are observed in hypothyroidism.
Synonyms:	T4-binding globulin, Serpin A7, SERPINA7
Note:	Adsorption: 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.
Protein Families:	Druggable Genome, Secreted Protein