

Product datasheet for **AP31547SU-N**

Alb Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP, R
Recommended Dilution:	Can be used as precipitating antiserum to identify or measure rat albumin 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:	Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly purified albumin isolated from rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.



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Specificity:	<p>The defined antibody specificity is directed to albumin as tested against rat 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 rat serum and the purified albumin.</p> <p><u>Cross-reactivity:</u> Inter-species cross-reactivity is a normal feature of antibodies to mammalian 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 fraction has been tested for cross-reactivity by double radial immunodiffusion against several species sera with the following results:</p> <ul style="list-style-type: none">- cow, chicken, goat and sheep+ dog, horse, human, monkey and swine++ guinea pig and mouse± rabbit
Formulation:	<p>No preservative added - No foreign proteins added</p> <p>State: Serum</p> <p>State: Delipidated, heat inactivated, lyophilized, stable whole antiserum</p>
Reconstitution Method:	Restore with 1 ml sterile distilled water
Conjugation:	Unconjugated
Storage:	<p>Prior to reconstitution store at 2-8°C.</p> <p>Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.
Gene Name:	albumin
Database Link:	Entrez Gene 24186 Rat P02770
Synonyms:	ALB, BSA, HSA, Serum Albumin
Note:	Adsorption: 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.