

AP21454SU-N**Polyclonal Antibody to Guinea Pig IgG2 (subclass specific) - Serum**

Alternate names:	Guinea Pig Immunoglobulin G2
Quantity:	1 ml
Concentration:	Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
Host:	Goat
Immunogen:	Pools of purified normal IgG2 isolated from pooled Guinea Pig serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized, Delipidated, Heat inactivated, Stable Whole Antiserum Preservatives: None Reconstitution: Restore by adding 1 ml of sterile distilled water.
Applications:	Immunoprecipitation. Intended for use in precipitating techniques as immunoelectrophoresis and radial immunodiffusion to identify the presence of IgG2 in guinea pig serum and other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of guinea pig IgG2 from serum or plasma. <u>Recommended Dilutions:</u> Immunoelectrophoresis: Use 2 µl or equivalent against 120 µl antiserum. Double Radial Immunodiffusion (Ouchterlony): Use a rosette arrangement with 10 µl in a 3 mm diameter center well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells. <u>Precipitin titre:</u> 1/32 when tested against pooled normal Guinea Pig serum in agar-block Immunodiffusion titration. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The reactivity of the antiserum is directed to the Fc subunit of subclass IgG2. It does not react with other IgG1, IgG/Fab fragments, IgM and IgA or any non-Ig protein in guinea pig serum, as tested by immunoelectrophoresis and double radial immunodiffusion. Cross-Reactivity: This IgG fraction is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. Cross-reactivity of this product has not been tested in detail. Species: Guinea Pig. Other species not tested.
Storage:	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. Shelf life: one year from despatch.