

**AP31457SU-N****Polyclonal Antibody to Pigeon IgG (H+L chain) - Serum**

<b>Alternate names:</b>	Pigeon Immunoglobulin G
<b>Quantity:</b>	1 ml
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Purified normal IgG isolated from pooled pigeon serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Format:</b>	<b>State:</b> Delipidated, heat inactivated lyophilized stable whole serum <b>Buffer System:</b> No preservative added, as it may interfere with the antibody activity. No foreign protein added. <b>Reconstitution:</b> Restore with 1 ml sterile distilled water.
<b>Applications:</b>	Can be used in immunoelectrophoresis and double radial immunodiffusion to identify the presence of IgG; as secondary antibody to precipitate the immunoglobulin in normal pigeon serum; to prepare an immunoadsorbent for the production of Ig-free pigeon serum, plasma or non- Ig preparations. <u>Directions for use:</u> In immunoelectrophoresis use 2 µl 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 diluted) in 2 mm diameter peripheral wells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The reactivity of the antiserum is directed to the Fc and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. It does not react with any non-Ig protein in pigeon serum, as tested by immunoelectrophoresis and double radial immunodiffusion. <u>Cross-reactivity:</u> Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. The degree of crossreactivity depends in addition to the phylogenetic relationship also on the concentration of the reactants and the sensitivity of the assay format. Cross-reactivity of this antiserum has not been tested in detail, however in immunoelectrophoresis a reaction with chicken, duck and turkey has been observed. <b>Species:</b> Pigeon. Other species not tested.
<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. Shelf life: one year from despatch.