

AP31457HR-N**Polyclonal Antibody to Pigeon IgG (H+L chain) - HRP**

Alternate names:	Pigeon Immunoglobulin G
Quantity:	1 ml
Concentration:	10 mg/ml
Host / Isotype:	Rabbit / IgG
Immunogen:	Purified normal IgG isolated from pooled pigeon serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized purified hyperimmune Ig fraction Purification: DEAE-column Chromatography Buffer System: PBS, pH 7.2, No preservative added, as it may interfere with the antibody activity. No foreign proteins added. Label: HRP – Horseradish Peroxidase <i>Molar Ratio: 1.7</i> Reconstitution: Restore with 1 ml sterile distilled water
Applications:	Can be used in enzyme-immunocytochemical and immunohistochemical staining for the detection of IgG, antigen or antibody, of appropriately treated cell and tissue substrates at the cellular and subcellular level. In nonisotopic assay methodology (e.g. ELISA) to identify and measure a specific IgG in pigeon serum or other body fluid. In electron microscopy, since the complex between the conjugated antibody and the antigen also has electron-dense properties. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. <i>Recommended Working Dilutions:</i> Histochemical and cytochemical Use: 1/100-1/500. ELISA and comparable non-precipitating antibody-binding assays: 1/1000-1/10000. 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 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. Cross-reactivity: Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. The degree of cross-reactivity 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. Species: Pigeon. 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.