

AP31457BT-N**Polyclonal Antibody to Pigeon IgG (H+L chain) - Biotin**

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: Lyophilised hyperimmune Ig fraction Purification: DEAE-column Chromatography Buffer System: PBS, pH 7.2 No preservative added - No foreign proteins added Label: Biotin <i>Molar Ratio: 3,3</i> Reconstitution: Restore with 1 ml sterile distilled water
Applications:	Can be used in immunocytochemical and immunohistochemical staining to identify and measure IgG, antigen or antibody, at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates, and to demonstrate circulating antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen or immune complex using a reference antibody of pigeon origin in the middle layer of the indirect test procedure. As a second step an avidin or streptavidin conjugate of the user's choice has to be used. 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. Working dilutions for histochemical and cytochemical use are usually between 1/100 and 1/500. In ELISA and comparable non-precipitating antibody-binding assays between 1/2000 and 1/15000. 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:

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.