

AP31541HR-N**Polyclonal Antibody to Canine IgG (H+L chain) - HRP**

Alternate names:	dog IgG, dog immunoglobulin G
Quantity:	1 ml
Concentration:	10 mg/ml
Host / Isotype:	Goat / IgG
Immunogen:	Purified normal IgG isolated from pooled dog 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, as it may interfere with the antibody activity. No foreign proteins added. Label: HRP – Horseradish Peroxidase <i>Molar Ratio:</i> 1,3 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 non-isotopic assay methodology (e.g. ELISA) to identify and measure a specific IgG in dog 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. <u>Working dilutions:</u> For histochemical and cytochemical use are usually between 1/100 and 1/500. In ELISA and comparable non-precipitating antibody-binding assays between 1/1000 and 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 dog 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. Cross-reactivity of this antiserum has not been tested in detail, however in double radial immunodiffusion a reaction has been observed with ferret serum. Species: Canine. 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.