

**AP21490HR-N****Polyclonal Antibody to Rabbit IgA+IgG+IgM (H+L chain) - HRP****Alternate names:**

Rabbit IgA, Rabbit IgG, Rabbit IgM

**Quantity:**

1 ml

**Concentration:**

appr. 10.0 mg/ml

**Background:**

The intended use of this antibody is the detection of IgG by enzyme-immunocytochemical and immunohistochemical staining (antigen or antibody) of appropriately treated cell and tissue substrates at the cellular and subcellular level, or by non-isotopic assay methodology.

**Host / Isotype:**

Goat / IgG

**Immunogen:**

Purified immunoglobulin fractions isolated from pooled rabbit serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

**Format:****State:** Lyophilized purified IgG fraction**Purification:** Hyperimmune antisera with strong precipitating activity are selected for fractionation by Salt-Precipitation and purification of the IgG fraction by DEAE Chromatography**Buffer System:** PBS, pH 7.2 without preservatives and foreign proteins**Label:** HRP – Horseradish Peroxidase**Enzyme marker:** Horseradish peroxidase enriched for isoenzyme C (RZ = 3.2).**Conjugation procedure:** Conjugation is carried out using a proprietary modification of the periodate method, followed by several purification steps. After each step activity and specificity are tested in a variety of techniques. No foreign protein has been added. The conjugate is lyophilized to assure stability and long shelf life*Molar Ratio:* Peroxidase/IgG: ~1.7**Reconstitution:** Restore by adding 1.0 ml sterile distilled water.**Applications:****ELISA** (to identify and measure a specific IgG in rabbit serum or other body fluids).**Immunocytochemistry.****Immunohistochemistry.**

Useful in electron microscopy, since the complex between the conjugated antibody and the antigen has electron-dense properties.

**Dot blot.****Western blot.*****General Recommended Dilutions:***

Histochemical and Cytochemical Use: 1/100-1/500.

ELISA and comparable non-precipitating antibody-binding assays: 1/1000-1/5000.

Working dilutions should be prepared by adding sterile PBS, pH 7.2, and should not be refrozen.

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 major Immunoglobulin isotypes. It does not react with any non-Ig protein in rabbit 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. Cross-reactivity of this antiserum has not been tested in detail.

**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.