

AP21490BT-N**Polyclonal Antibody to Rabbit IgA+IgG+IgM (H+L chain) - Biotin**

Alternate names:	Rabbit IgA, Rabbit IgG, Rabbit IgM
Quantity:	1 ml
Concentration:	10,0 mg/ml
Host / Isotype:	Goat / IgG
Immunogen:	Purified normal IgG, IgA and IgM isolated from pooled rabbit serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized IgG fraction Purification: Ammonium Sulphate Precipitation and Ion Exchange Chromatography Buffer System: PBS, pH 7.2 without preservatives and foreign proteins Label: Biotin – Marker: N-Hydroxysuccinimidobiotin. Conjugation procedure: A proprietary technique for the binding to biotin is used, followed by several purification steps. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life Molar Ratio: Biotin/IgG: ~6.4 Reconstitution: Restore by adding 1.0 ml of sterile distilled water
Applications:	Can be used in Immunocytochemical and Immunohistochemical staining to identify and measure immunoglobulins, 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 rabbit 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. Recommended working dilutions: Histochemical and Cytochemical: 1/100 - 1/500. ELISA and comparable non-precipitating antibody-binding assays: 1/5000 - 1/20000. 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.
Add. Information:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Storage:

Prior to and following reconstitution store the antibody at 2-8°C for one month or at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Product Citations:**Purchased from Acris:**

1. WANG, D;GAO, L;GONG, K;CHAI, Q;WANG, G. Increased serum leptin level in overweight patients with colon carcinoma: A crosssectional and prospective study. MOLECULAR AND CLINICAL ONCOLOGY 6: 75-78, 2017. DOI: 10.3892/mco.2016.1087.