

**AP21493AF-N****Polyclonal Antibody to Rat IgG2b (subclass specific) - Azide Free**

<b>Alternate names:</b>	Rat Immunoglobulin G2ab
<b>Quantity:</b>	10 mg
<b>Concentration:</b>	10,0 mg/ml
<b>Host / Isotype:</b>	Goat / IgG
<b>Immunogen:</b>	Pools of purified homogenous IgG2a and IgG2b isolated from rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Format:</b>	<b>State:</b> Lyophilized IgG fraction <b>Purification:</b> Ammonium Sulphate Precipitation and Ion Exchange Chromatography <b>Buffer System:</b> PBS, pH 7.2 without preservatives and foreign proteins <b>Reconstitution:</b> Restore by adding 1.0 ml of sterile distilled water
<b>Applications:</b>	<p>As unlabelled primary or secondary reagent for indirect detection of IgG2a at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates; to prepare conjugates of the user's own choice; to prepare an insoluble immunoaffinity adsorbent or a solid phase antibody reagent by coupling to an artificial carrier and as catching antibody in non-isotopic methodology and solid phase immunochemistry.</p> <p>When applied in any cytochemical or histochemical staining procedure or solid phase coupling technique, the optimum concentration of the IgG preparation should be established by titration before being used.</p> <p><u>Recommended working dilutions:</u> Histochemistry: 1/100 - 1/250. ELISA and comparable non-precipitating antibody-binding assays: 1/500 - 1/5000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>The reactivity of the antiserum is directed to the subclasses IgG2a and IgG2b as tested by immunoelectrophoresis and double radial immunodiffusion against rat sera and a panel of purified homogenous immunoglobulins. It does not react with other subclasses of IgG, IgG/Fab fragments, IgM and IgA or any non-Ig protein in rat serum.</p> <p><u>Cross-reactivity:</u> This IgG fraction is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. Cross-reactivity of this antiserum has not been tested in detail.</p>
<b>Add. Information:</b>	<p><u>Adsorption:</u> Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies crossreacting with other components of the immunoglobulin system or reacting with other serum proteins. Special attention is given to the removal of antibodies to common Ig/Fab. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.</p>

**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.