

Product datasheet for **AP21454HR-N**

Guinea Pig IgG2 (subclass specific) Goat Polyclonal Antibody

Product data:

Product Type:	Secondary Antibodies
Product Name:	Guinea Pig IgG2 (subclass specific) Goat Polyclonal Antibody
Applications:	ELISA, ID, IF, IHC, IP, WB
Recommended Dilution:	<p>This antibody can be used in Enzyme Immunocytochemical and Immunohistochemical staining for the detection of IgG2 at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates.</p> <p>To demonstrate circulating IgG2 antibodies in serodiagnostic microbiology and autoimmune diseases. To identify a specific antigen using a reference antibody of guinea pig origin known to be of the IgG2 isotype in the middle layer of the indirect test procedure In non-isotopic assay methodology (e.g. ELISA) to measure IgG2 in guinea pig serum or other body fluids. 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.</p> <p><u>Working Dilutions:</u></p> <p>Histochemical and Cytochemical Use: 1/50-1/250.</p> <p>ELISA and comparable non-precipitating antibody-binding assays: 1/1,000-1/5,0000.</p>
Reactivity:	Guinea Pig
Host:	Goat
Immunogen:	<p>Purified IgG2 isolated from Guinea Pig serum.</p> <p>Freund's complete adjuvant is used in the first step of the immunization procedure.</p>
Isotype:	IgG
Formulation:	<p>PBS, pH 7.2 without preservatives and foreign proteins</p> <p>Label: HRP</p> <p>State: Lyophilized purified Hyperimmune IgG fraction</p> <p>Label: Horseradish Peroxidase</p> <p>Molar ratio: Peroxidase/IgG ~1.7</p>
Reconstitution Method:	Restore by adding 1.0 ml of sterile distilled water
Concentration:	NA



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- Purification:** Ammonium Sulphate Precipitation and Ion Exchange Chromatography. It is free of other serum proteins as tested by immunoelectrophoresis
- Conjugation:** HRP
- 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.
- Note:** **Enzyme marker.** Horseradish peroxidase enriched for isoenzyme C (RZ=3.2).
Conjugation Procedure: Conjugation is carried out using a proprietary modification of the periodate technique for the binding to peroxidase, 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.