

Product datasheet for **AP32996HR-N**

Albumin (ALB) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IHC, WB
Recommended Dilution:	Can be used: <ul style="list-style-type: none">• In Enzyme-Immunochemical and Immunohistochemical staining for the detection of Albumin 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 Albumin in Human 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. <i>Recommended Working Dilutions:</i> Histochemical and Cytochemical Use: 1/100-1/500. ELISA and comparable non-precipitating antibody-binding assays: 1/2,000-1/10,000.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Albumin is isolated from human serum by sequential precipitation and purified by Ion Exchange Chromatography and Affinity Chromatography. Freund's complete adjuvant is used in the first step of the immunization procedure.



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Specificity:	<p>The defined antibody specificity is directed to albumin as tested against Human sera. In immunoelectrophoresis and double radial immunodiffusion (Ouchterlony), using various antiserum concentrations against appropriate concentrations of the immunogen, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin lines obtained against human serum and the purified Albumin.</p> <p>Cross-reactivity. Inter-species cross-reactivity is a normal feature of antibodies to serum proteins, since homologous proteins of different species frequently share antigenic determinants. The degree of cross-reactivity is also dependent on the concentrations of the reactants and the sensitivity of the assay arrangement. This antiserum has not been tested for cross-reactivity.</p>
Formulation:	<p>PBS, pH 7.2 Label: HRP State: Lyophilized purified Hyperimmune IgG fraction Preservative: None, as it may interfere with the antibody activity. Label: Horseradish peroxidase enriched for isoenzyme C (RZ = 3.2) Molar ratio: Enzyme/IgG ~1.7</p>
Reconstitution Method:	<p>Restore with 1.0 ml sterile distilled water. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C.</p>
Concentration:	lot specific
Purification:	Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt precipitation and purification of the IgG fraction by DEAE-chromatography
Conjugation:	HRP
Storage:	<p>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.</p>
Stability:	Shelf life: one year from despatch.
Gene Name:	albumin
Database Link:	Entrez Gene 213 Human P02768
Background:	Albumin is a stable small polypeptide with a strong antigenicity. Its molecular weight is about 69,000. It has a high mobility in electrophoresis, shows macroheterogeneity especially under pathological conditions and it can bind a large number of physiological and non-physiological molecules.
Synonyms:	ALB, BSA, HSA, Serum Albumin

Note:

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.

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.