

Product datasheet for **AP31514HR-N**

Alb Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID, IF, IHC, R, WB
Recommended Dilution:	Can be used in enzyme-immunocytochemical 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 rat 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. <u>Working dilutions:</u> For histochemical and cytochemical use are usually between 1/100 and 1/500. In ELISA and comparable non-precipitating antibody-binding assays between 1/1000 and 1/10000.
Reactivity:	Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	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 macro-heterogeneity especially under pathological conditions and it can bind a large number of physiological and non-physiological molecules. Albumin is isolated from rat 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>Tested in immunoelectrophoresis and double radial immunodiffusion against pooled normal rat serum and purified rat albumin. One characteristic precipitin line is obtained against pooled normal rat serum using different antigen/antibody concentration ratio's. Precipitin lines against normal rat serum and purified rat albumin give a reaction of full identity.</p> <p><u>Cross-reactivity:</u> Inter-species cross-reactivity is a normal feature of antibodies to mammalian 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 fraction has been tested for cross-reactivity by double radial immunodiffusion against several species sera with the following results:</p> <ul style="list-style-type: none">++ mouse, guinea pig+ monkey± horse, human, swine- rabbit, sheep, goat, canine, chicken, bovine
Formulation:	<p>PBS, pH 7.2</p> <p>No preservative added, as it may interfere with the antibody activity. No foreign proteins added.</p> <p>Label: HRP</p> <p>State: Lyophilised hyperimmune Ig fraction</p> <p>Label: Horseradish Peroxidase</p> <p>Molar ratio: 1,7</p>
Reconstitution Method:	Restore with 1 ml sterile distilled water
Concentration:	lot specific
Purification:	DEAE-column Chromatography
Conjugation:	HRP
Storage:	<p>Prior to reconstitution store at 2-8°C.</p> <p>Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.
Gene Name:	albumin
Database Link:	Entrez Gene 24186 Rat P02770
Synonyms:	ALB, BSA, HSA, Serum Albumin
Note:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate the antibody activity to any other component of the rat serum proteins.