

Product datasheet for **AP31547HR-N**

Alb Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, IP, 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:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Purified albumin isolated from pooled rat serum. 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></p> <p>Inter-species cross-reactivity is a normal feature of antibodies to mammalian serum proteins, since homologous proteins frequently share antigenic determinants. Cross-reactivity of this antiserum has been tested in double radial immunodiffusion against several species sera with the following results:</p> <ul style="list-style-type: none"> - bovine, goat, chicken and sheep ± rabbit + dog, horse, human, monkey and swine ++ guinea pig and mouse <p>A negative reaction in double radial immunodiffusion does not exclude a weak positive reaction in more sensitive techniques.</p>
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: 1,2</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:	Rattus norvegicus albumin (Alb)
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.