

## Product datasheet for **AP31514AF-N**

### Alb Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IHC, WB
Recommended Dilution:	The cytochemical grade allows the use in different types of highly sensitive immunoassays on appropriately treated cell and tissue substrates; in radioimmunoassay; for the production of immunoconjugates with a selected marker; to prepare immunoaffinity adsorbents by coupling to an artificial carrier; in non-isotopic methodology based on solid phase immunochemistry (e.g. ELISA), both as catching antibody and detection reagent; in Western blotting. This product is not pre-diluted. The optimum working dilution of each product should be established by titration before being used. <i>Recommended Working Dilutions:</i> Histochemical and Cytochemical Use: 1/100-1/500. ELISA and comparable non-precipitating antibody-binding assays: 1/1000-1/10000.
Reactivity:	Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Highly purified albumin isolated from Rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.



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<b>Specificity:</b>	<p>The defined antibody specificity is directed to albumin as tested against rat 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 rat serum and the purified albumin.</p> <p><b>Cross-reactivity:</b> 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"><li>++ Mouse, Guinea Pig.</li><li>± Monkey, swine, Horse, Human.</li><li>- Sheep, Rabbit, Goat, Canine, Chicken, Bovine.</li></ul>
<b>Formulation:</b>	<p>PBS, pH 7.2 without preservatives, as it may interfere with the antibody activity. No foreign proteins added.</p> <p>State: Azide Free</p> <p>State: Lyophilised hyperimmune purified IgG fraction</p>
<b>Reconstitution Method:</b>	Restore with 1 ml sterile distilled water
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt precipitation and purification of the IgG fraction by DEAE-chromatography.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term.</p> <p>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.</p> <p>Avoid repeated freezing and thawing.</p>
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	albumin
<b>Database Link:</b>	<a href="#">Entrez Gene 24186 Rat P02770</a>
<b>Synonyms:</b>	ALB, BSA, HSA, Serum Albumin
<b>Note:</b>	<b>Adsorption:</b> 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.