

Product datasheet for **AP31648SU-N**

Albumin (ALB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Immunoprecipitation. Immunodiffusion. For Ouchterlony: The following results were obtained in ouchterlony with samples of various types. In all cases, the sample size was 10 µl, the distance between the wells was 5 mm, and the test time was 24 hours. Sample Type: Human Albumin, Purified Protein: Positive Normal Human Serum Dilutions (1/20-1/4000): One band at each dilution homogeneous with the band for the Human Albumin test above. Human Transferrin, Purified Protein: Negative.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody is directed against Human Albumin.
Formulation:	State: Serum State: Antiserum containing 0.05% Sodium Azide as preservative
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	albumin
Database Link:	Entrez Gene 213 Human P02768



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Background:	Albumin is a soluble, monomeric protein which comprises about one half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. Mutations in this gene on chromosome 4 result in various anomalous proteins. Albumin is a globular unglycosylated serum protein of molecular weight 65,000. The human albumin gene is 16,961 nucleotides long from the putative 'cap' site to the first poly(A) addition site. It is split into 15 exons which are symmetrically placed within the 3 domains that are thought to have arisen by triplication of a single primordial domain. Albumin is synthesized in the liver as preproalbumin which has an N terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin.
Synonyms:	ALB, BSA, HSA, Serum Albumin
Note:	The antiserum of individual host animals was monitored for titre and specificity before pooling into uniform high titre lots.
Protein Families:	Secreted Protein