

Product datasheet for **AP05355SU-N**

Albumin (ALB) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP
Recommended Dilution:	ELISA: 1/50K - 1/200K. Immunoprecipitation.
Reactivity:	Human
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Native, 99% pure
Specificity:	<p>This antibody recognises human albumin, a soluble protein which constitutes approximately 50% of blood serum protein, acting as a regulator of blood colloidal osmotic pressure and hence blood volume.</p> <p>This antibody is suitable for use in turbidimetry. The turbidimetric titre can be determined by employing a series of doubling dilutions of the antisera with a standard concentration of the antigen (1 mg/ml), and monitoring the antigen:antibody complex formation by measurement of OD at 492 nm.</p>
Formulation:	State: Serum State: Liquid serum containing 0.09% Sodium Azide (NaN ₃)
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
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