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Product datasheet for DP046-05

Albumin (ALB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on paraffin embedded sections: diluted of 1:50-1:1000 in an ABC method (30 minutes at room temperature) Recommended Positive Control: Liver
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Purified human albumin.
Specificity:	This antibody reacts with human albumin. Specificity is determined by Ouchterlony Double Diffusion (ODD) and immunoelectrophoresis (IEP) versus human serum and human albumin. Cellular Localization: Cytoplasmic
Formulation:	containing sodium azide as preservative. State: Purified State: Liquid Ig fraction
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

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