

Datasheet for ABIN722736

anti-Albumin antibody[Go to Product page](#)**3** Images

Overview

Quantity:	100 µL
Target:	Albumin (ALB)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Albumin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	human Serum albumin
Clone:	3F4
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse
Purification:	Purified by Protein G.

Target Details

Target:	Albumin (ALB)
Alternative Name:	Serum albumin (ALB Products)
Background:	Synonyms: ALB; ALBU_HUMAN; Albumin 32 AA; Albumin AA 34; Analbuminemia;

Target Details

Bisalbuminemia; Cell growth inhibiting protein 42; DKFZp779N1935; Dysalbuminemic hyperthyroxinemia; Growth inhibiting protein 20; HSA; Hyperthyroxinemia dysalbuminemic; PRO0883; PRO0903; PRO1341; PRO2044; PRO2619; Serum albumin.

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.

Gene ID:	213
UniProt:	P02768
Pathways:	Lipid Metabolism

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

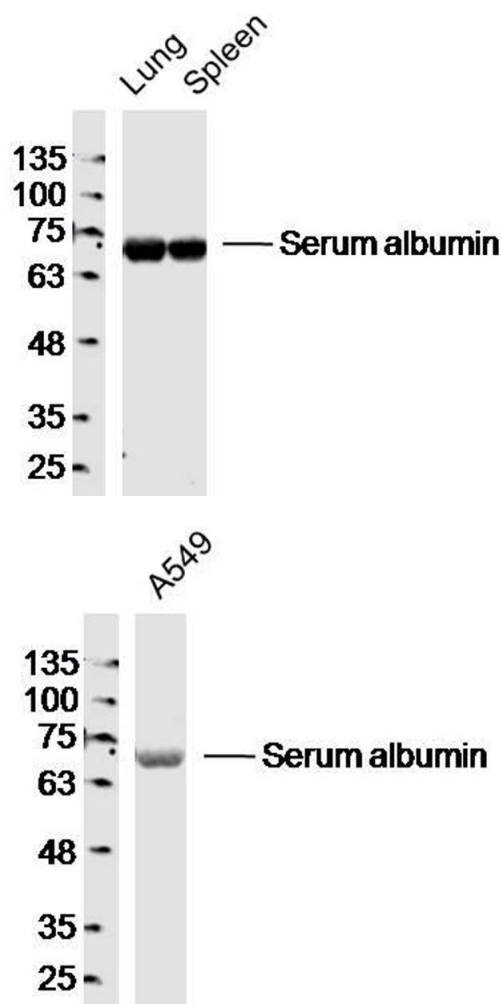
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

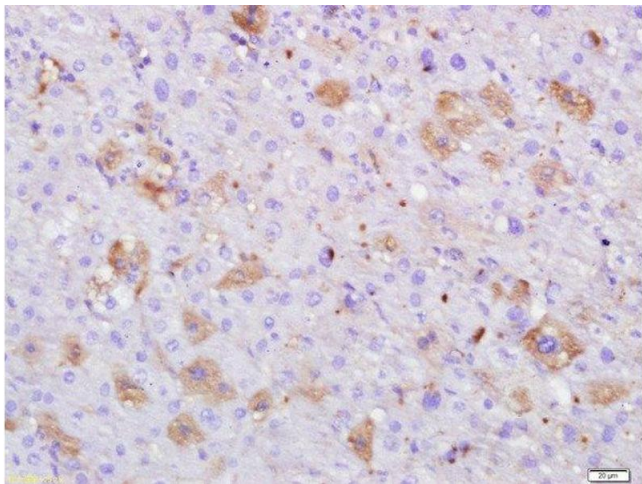
Images



Western Blotting

Image 1. Lane 1: Mouse Lung lysates Lane 2: Mouse Spleen lysates probed with Serum albumin Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.

Image 2. A549 lysates probed with Serum albumin Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded human hepatocellular carcinoma, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Serum albumin (3F4) Monoclonal Antibody, Unconjugated (bsm-0945M) at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining.