SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Albumin antibody

Catalog Number: SL2256R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Albumin
Immunogen:	Mouse serum albumin purified from mouse serum: full length
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse
Predicted MW.:	68kDa
Subcellular Location:	Secretory protein
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. Albumin is a globular unglycosylated serum protein of molecular weight 65,000. 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. [provided by RefSeq, Jul 2008]. **Function:** Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of

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	blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc. **Subcellular Location:** Secreted. **Tissue Specificity:** Plasma. **Post-translational modifications:** Kenitra variant is partially O-glycosylated at Thr-620. It has two new disulfide bonds Cys-600 to Cys-602 and Cys-601 to Cys-606. Glycated in diabetic patients. Phosphorylation sites are present in the extracellular medium. Acetylated on Lys-223 by acetylsalicylic acid. DISEASE: Familial dysalbuminemic hyperthyroxinemia (FDH) [MIM:103600]: Form of euthyroid hyperthyroxinemia that is due to increased affinity of ALB for T(4). It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains. **Database links:** **Entrez Gene:** 100379232 Guinea pig **Entrez Gene:** 100034206 Horse **Entrez Gene:** 213 Human **Entrez Gene:** 11657 Mouse **Entrez Gene:** 396960 Pig **Entrez Gene:** 100009195 Rabbit **Entrez Gene:** 24186 Rat Omim: 103600 Human **SwissProt:** P49064 Cat **SwissProt:** P19121 Chicken **SwissProt:** P02769 Cow **SwissProt:** P49822 Dog **SwissProt:** P35747 Horse **SwissProt:** P02768 Human **SwissProt:** P07724 Mouse **SwissProt:** P08835 Pig **SwissProt:** P49065 Rabbit **SwissProt:** P02770 Rat **Unigene:** 418167 Human **Unigene:** 16773 Mouse **Unigene:** 202968 Rat

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[VALIDATION IMAGES]

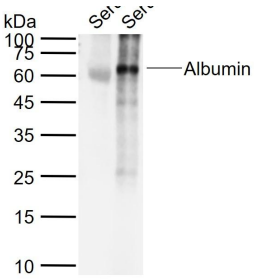


Figure 1. Sample: Lane 1: Mouse Serum Lane 2: Human Serum Primary: Anti-Albumin (SL2256R) at 1/5000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kDa Observed band size: 62 kDa

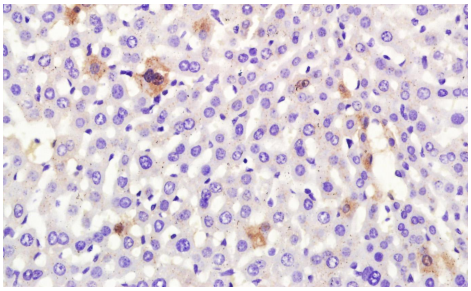


Figure 2. Paraformaldehyde-fixed, paraffin embedded (Mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Mouse serum albumin) Polyclonal Antibody, Unconjugated (SL2256R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining

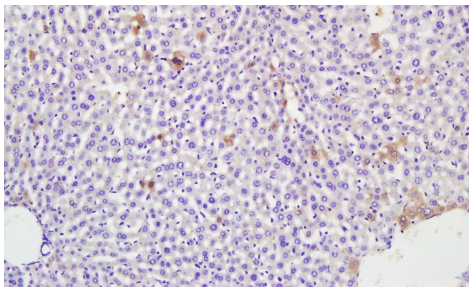


Figure 3. Paraformaldehyde-fixed, paraffin embedded (Mouse Liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Mouse serum albumin) Polyclonal Antibody, Unconjugated (SL2256R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining

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