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ALB / Serum Albumin Antibody (Biotin)

Rabbit Polyclonal Antibody
Catalog # ALS11297

Specification

ALB / Serum Albumin Antibody (Biotin) - Product Information

Application	**IHC**
Primary Accession	P02768
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**69kDa KDa**

ALB / Serum Albumin Antibody (Biotin) - Additional Information

Gene ID 213

Other Names
Serum albumin, ALB

Target/Specificity
Human Serum Albumin.

Reconstitution & Storage
+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions
ALB / Serum Albumin Antibody (Biotin) is for research use only and not for use in diagnostic or therapeutic procedures.

ALB / Serum Albumin Antibody (Biotin) - Protein Information

Name ALB

Function
Binds water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs (Probable). Its main function is the regulation of the colloidal osmotic pressure of blood (Probable). Major zinc transporter in plasma, typically binds about 80% of all plasma zinc (PubMed:19021548). Major calcium and magnesium transporter in plasma, binds approximately 45% of circulating calcium and magnesium in plasma (By similarity). Potentially has more than two calcium-binding sites and might additionally bind calcium in a non-specific manner (By similarity). The shared binding site between zinc and calcium at residue Asp-273 suggests a crosstalk between zinc and calcium transport in the blood (By similarity). The rank order of affinity is zinc > calcium > magnesium (By similarity). Binds to the bacterial siderophore enterobactin and inhibits enterobactin-mediated iron uptake of E.coli from ferric transferrin, and may thereby limit the utilization of iron and growth of enteric bacteria such as E.coli (PubMed:6234017). Does not prevent iron uptake by the bacterial siderophore

aerobactin (PubMed:6234017).

Cellular Location
Secreted.

Tissue Location
Plasma.

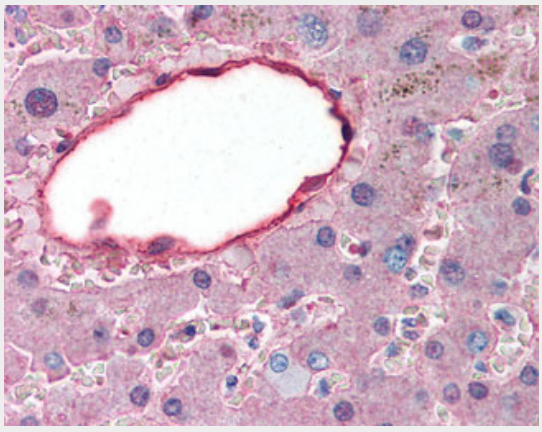
Volume
50 µl

ALB / Serum Albumin Antibody (Biotin) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ALB / Serum Albumin Antibody (Biotin) - Images



Anti-Serum Albumin antibody IHC of human liver.

ALB / Serum Albumin Antibody (Biotin) - Background

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 blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc.

ALB / Serum Albumin Antibody (Biotin) - References

Lawn R.M.,et al.Nucleic Acids Res. 9:6103-6114(1981).
Dugaiczyk A.,et al.Proc. Natl. Acad. Sci. U.S.A. 79:71-75(1982).
Minghetti P.P.,et al.J. Biol. Chem. 261:6747-6757(1986).

Yang S.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
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