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Serum Albumin Antibody

Rabbit mAb
Catalog # AP91126

Product Information

Application	WB, IHC
Primary Accession	P02768
Reactivity	Rat, Human, Mouse, Bovine
Clonality	Monoclonal
Other Names	ALB; Albumin (32 AA) ;Albumin (AA 34) ;Albumin; BSA; Serum albumin; Bovine Serum Albumin
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	69367

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from Cow Bovine Serum Albumin
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

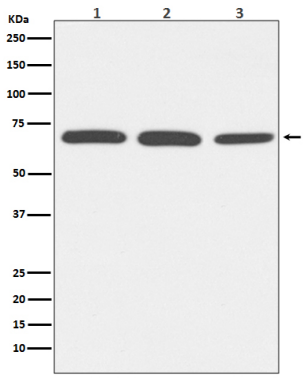
Name	ALB
Function	Binds water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs (Probable). Its main function is the regulation of the colloidal osmotic pressure of blood (Probable). Major zinc transporter in plasma, typically binds about 80% of all plasma zinc (PubMed:19021548). Major 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.

Images



Western blot analysis of Bovine Serum Albumin expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) PC-12 cell lysate.

Image not found : 202311/AP91126-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human liver, using Bovine Serum Albumin Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.