

Anti-Bovine Serum Albumin Rabbit Monoclonal Antibody

Catalog # ABO14278

Product Information

Application	WB, IHC
Primary Accession	P02768
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Bovine Serum Albumin Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	213
Other Names	Albumin, ALB
Calculated MW	69367
Application Details	WB 1:500-1:2000 IHC 1:50-1:200
Subcellular Localization	Secreted.
Tissue Specificity	Plasma.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AOHG-1
Immunogen	A synthesized peptide derived from human Bovine Serum Albumin
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

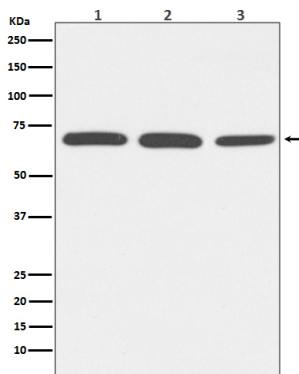
Name	ALB
Function	Binds water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs

(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](#)).

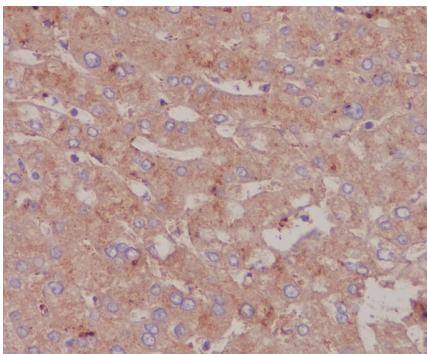
Cellular Location Secreted.

Tissue Location Plasma.

Images



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



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

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