

Serum Albumin Antibody
Rabbit mAb
Catalog # AP91126**Specification**

Serum Albumin Antibody - Product Information

Application	WB, IHC
Primary Accession	P02768
Reactivity	Rat
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 Da

Serum Albumin Antibody - Additional Information

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.

Serum Albumin Antibody - 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

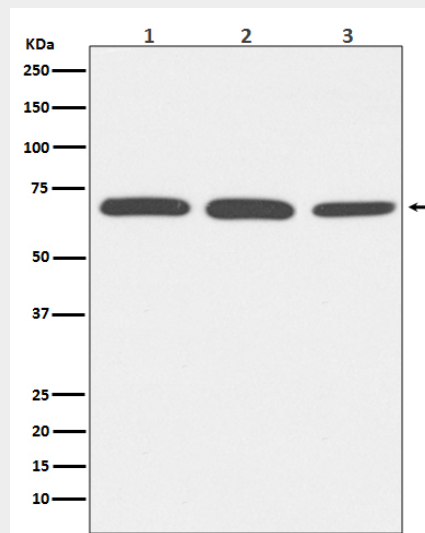
Plasma.

Serum Albumin Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Serum Albumin Antibody - Images



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