

KD-Validated Anti-Albumin Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2324

Product Information

Application	WB
Primary Accession	P02768
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB1680
Calculated MW	69367
Gene Name	ALB
Aliases	ALB; Albumin; Serum Albumin; PRO0883; PRO0903; PRO1341; FDAHT; HSA
Immunogen	A synthesized peptide derived from Albumin

Additional Information

Gene ID	213
Other Names	Albumin, ALB

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.

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