

KD-Validated Anti-Albumin Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI2324**Specification****KD-Validated Anti-Albumin Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	P02768
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 69 kDa ; observed, 69 kDa KDa
Gene Name	ALB
Aliases	ALB; Albumin; Serum Albumin; PRO0883; PRO0903; PRO1341; FDAHT; HSA
Immunogen	A synthesized peptide derived from Albumin

KD-Validated Anti-Albumin Rabbit Monoclonal Antibody - Additional Information

Gene ID	213
Other Names	
Albumin, ALB	

KD-Validated Anti-Albumin Rabbit Monoclonal 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

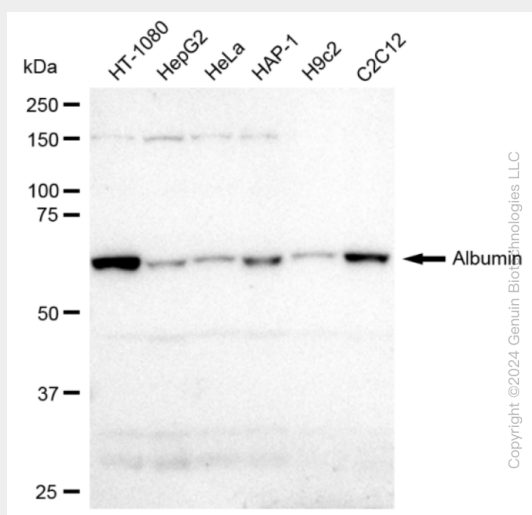
Plasma.

KD-Validated Anti-Albumin Rabbit Monoclonal Antibody - Protocols

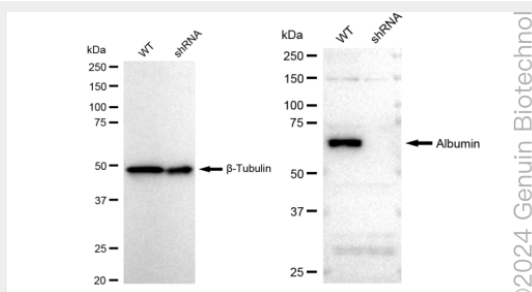
Provided below are standard protocols that you may find useful for product applications.

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

KD-Validated Anti-Albumin Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Albumin antibody (Cat#AGI2324). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Albumin antibody (Cat#AGI2324, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Albumin antibody (Cat#AGI2324). Albumin expression in wild type (WT) and Albumin shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Albumin antibody (Cat#AGI2324, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.