10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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.

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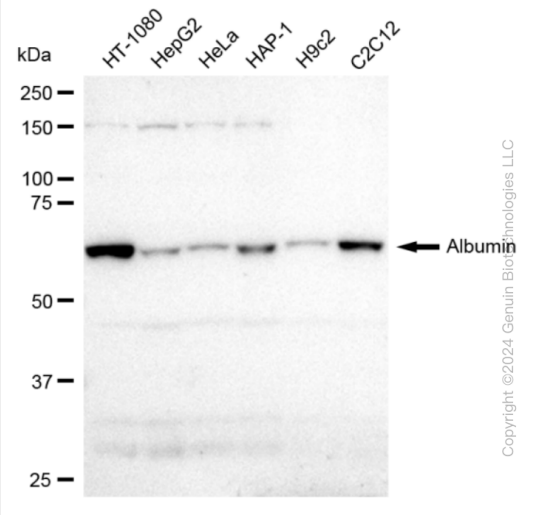
Tissue Location
Plasma.

KD-Validated Anti-Albumin Rabbit Monoclonal Antibody - Protocols

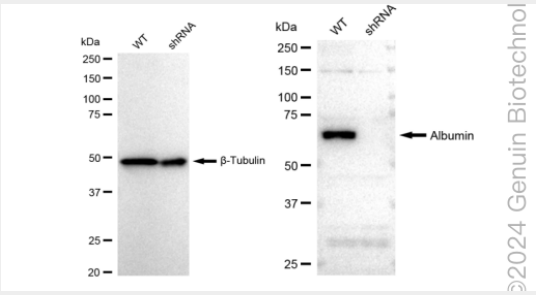
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.