

Datasheet for 109-4133**Human Serum Albumin Antibody****Overview**

Description:	Anti-Human Serum Albumin (RABBIT) Antibody - 109-4133
Item No.:	109-4133
Size:	2 mL
Applications:	IF, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Anti-Human Serum Albumin antibody detects Serum albumin protein. Human serum albumin is produced in the liver and is the most abundant protein in human blood plasma. Albumin constitutes about half of the blood serum protein. Albumin transports hormones, fatty acids, and other compounds, buffers pH, and maintains osmotic pressure, among other functions. Anti-HSA antibody is ideal for investigators involved in Cell Signaling, Neuroscience and Signal Transduction research.
Synonyms:	rabbit anti-human serum albumin antibody, rabbit anti-HSA antibody, ALB antibody, Albumin antibody, Analbuminemia antibody, Bisalbuminemia antibody, Cell growth inhibiting protein 42 antibody, Dysalbuminemic hyperthyroxinemia antibody, Growth inhibiting protein 20 antibody, HSA antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	ALB
Reactivity:	Human
Immunogen Type:	Native Protein
Immunogen:	Albumin (Human Serum)

Purity/Specificity: Rabbit anti-Human serum albumin antibody was prepared from monospecific rabbit antiserum by delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against purified human serum albumin, and human Serum. Cross reactivity against Albumin from other tissues and species may occur but has not been specifically determined.

Relevant Links:

- [NCBI - NP_000468.1](#)
- [UniProtKB - P02768](#)
- [GeneID - 213](#)
- [109-4133 EU SDS](#)

Application Details

Suggested Applications: IF, WB (Based on references)

Application Note: Anti-Human Serum Albumin (HSA/ALB) antibody is suitable for western blotting. Although not tested, Anti-Human Serum Albumin may be suitable in other applications. Researchers should determine optimal titers for other applications.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:20,000 - 1:100,000

IHC: 1:1,000 - 1:5,000

WB: 1:2,000 - 1:10,000

Formulation

Physical State: Lyophilized

Concentration: 90 mg/mL by Refractometry

Buffer: None

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

Reconstitution Volume: 2.0 mL

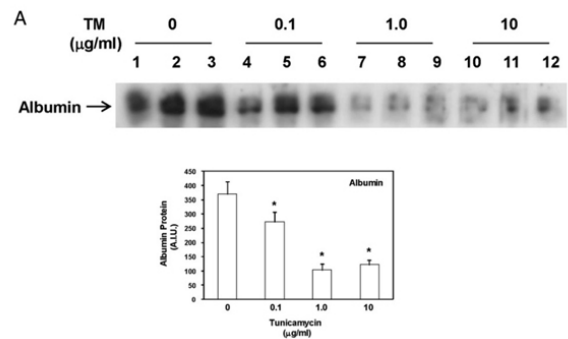
Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition: Ambient

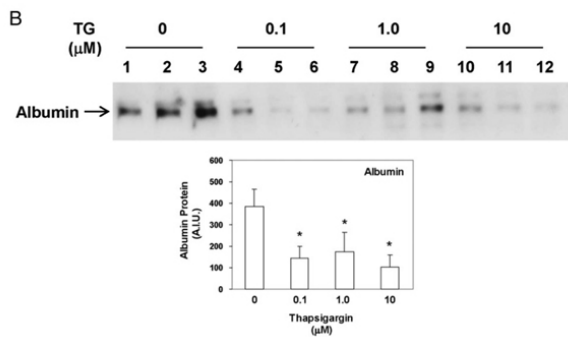
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



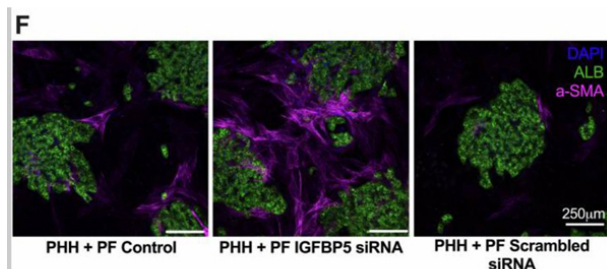
Western Blot

Western Blot of Anti-Human Serum Albumin Antibody. The effects of tunicamycin (TM) on albumin secretion. HepG2 cells were treated with the indicated amount of TM (A) for 24 h and relative albumin levels were measured in the conditioned medium by Western blot. Albumin secretion were inhibited by TM-treatment. N.S., not significant; *, treated vs. controls; pb0.05. Fig 3. PMID: 23154241.



Western Blot

Western Blot of Anti-Human Serum Antibody. The effects of thapsigargin (TG) on albumin secretion. HepG2 cells were treated with the indicated amount of TG (B) for 24 h and relative albumin levels were measured in the conditioned medium by Western blot. Albumin secretion were inhibited by TG-treatment. N.S., not significant; *, treated vs. controls; pb0.05. Fig 3. PMID: 23154241.



Immunohistochemistry

(F) The α -SMA protein expression increased in IGFBP5 siRNA-treated PHH + PF MPCCs compared to the control treatments without affecting albumin expression (n = 3). Fig 8. PMID: 40346200.

References

- Brown GE et al. Liver portal fibroblasts induce the functions of primary human hepatocytes in vitro. *Commun Biol.* (2025)
- Parseghian S et al. Inhibition of Apolipoprotein A-I Expression by TNF-Alpha in HepG2 Cells: Requirement for c-jun. *Journal of Cellular Biochemistry.* (2020)
- Haas MJ et al. Induction of apolipoprotein A-I gene expression by black seed (*Nigella sativa*) extracts. *Pharmaceutical Biology.* (2014)
- Naem E et al. Endoplasmic reticulum stress in HepG2 cells inhibits apolipoprotein A-I secretion. *Life Sci.* (2013)
- Haas MJ et al. The Effect of Black Seed (*Nigella sativa*) Extract on FOXO3 Expression in HepG2 Cells. *Phytotherapy Research.* (2013)

Disclaimer

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