

# Anti-Albumin Antibody

0806-9



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse
<b>Applications:</b>	WB, IF-Cell, IHC-P, FC
<b>Molecular Wt:</b>	Predicted band size: 69 kDa

**Description:** Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Albumin is essential for maintaining the osmotic pressure needed for proper distribution of body fluids between intravascular compartments and body tissues. It also acts as a plasma carrier by non-specifically binding several hydrophobic steroid hormones and as a transport protein for hemin and fatty acids.

**Immunogen:** Synthetic peptide within human Albumin aa 40-140.

**Positive control:** Human heart tissue lysate, human serum lysate, D3, human liver tissue, HepG2 cells.

**Subcellular location:** Secreted.

**Database links:** SwissProt: P02768 Human

## Recommended Dilutions:

<b>WB</b>	1:1,000
<b>IF-Cell</b>	1:50-1:100
<b>IHC-P</b>	1:50-1:200
<b>FC</b>	1:50

**Storage Buffer:** 1\*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Immunogen affinity purified.

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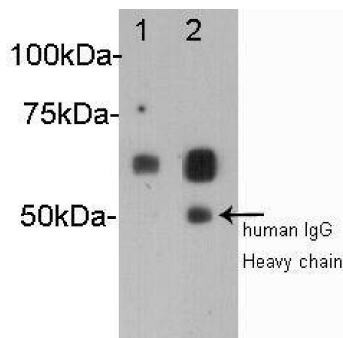
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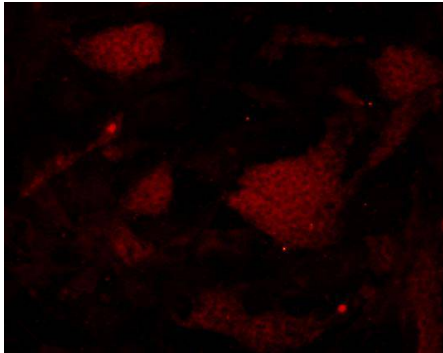
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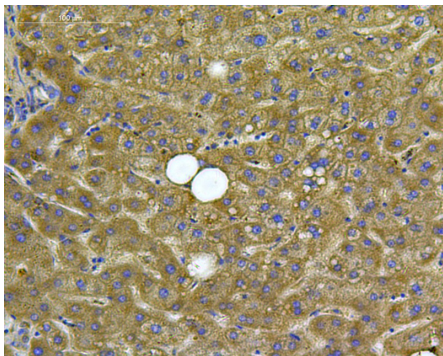
## Images



**Fig1:** Western blot analysis on human heart tissue lysate(1) and human serum lysate(2) using anti-albumin polyclonal antibody.

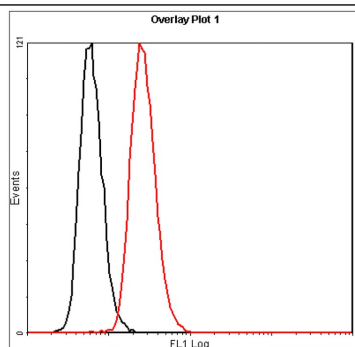


**Fig2:** ICC staining Albumin in D3 cells (red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



**Fig3:** Immunohistochemical analysis of paraffin-embedded human liver tissue with Rabbit anti-Albumin antibody (0806-9) at 1/50 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (0806-9) at 1/50 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



**Fig4:** Flow cytometric analysis of HepG2 cells labeling Albumin.

Cells were fixed and permeabilized. Then stained with the primary antibody (0806-9, 1/50) (red). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody (HA1121) at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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### Background References

1. Carninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N., Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan M., Davis M.J., Wilming L.G., Hayashizaki Y.;"The transcriptional landscape of the mammalian genome.";Science 309:1559-1563(2005).
2. The MGC Project Team;"The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC).";Genome Res. 14:2121-2127(2004).

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