**Basic Information**

- **Catalog Number:** 16475-1-AP
- **Size:** 40 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Affinity purification
- **Immunogen Catalog Number:** AG9569
- **GenBank Accession Number:** BC034023
- **GeneID (NCBI):** 213
- **Full Name:** albumin
- **Calculated MW:** 609aa, 69 kDa
- **Observed MW:** 66 kDa
- **Recommended Dilutions:**
  - WB: 1:5000-1:50000
  - IP: 0.5-4.0 μg for IP and 1:5000-1:5000 for WB
  - IHC: 1:50-1:500
  - IF: 1:50-1:500

**Applications**

- **Tested Applications:** IF, IHC, IP, WB, ELISA
- **Cited Applications:** IF, IHC, WB
- **Species Specificity:** human, mouse, rat
- **Note-IHC:** suggested antigen retrieval with TE buffer pH 9.0. (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

**Positive Controls:**

- WB: human blood tissue, human plasma tissue, mouse serum tissue, mouse liver tissue, HepG2 cells
- IP: human plasma tissue
- IHC: human liver tissue; human heart tissue, human spleen tissue, human liver cancer tissue
- IF: mouse liver tissue

**Background Information**

Albumin is the most abundant protein in blood plasma. Alterations of level of serum albumin are linked to a variety of diseases. Albumin is expressed exclusively by well-differentiated hepatocytes, thus anti-albumin has been used to mark hepatocytes. The N-terminal 24aa of albumin will be cleaved to generate the mature form of serum albumin with MW 66 kDa. (21385816, 23832071)

**Notable Publications**

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<td>Wei-Lun Ai</td>
<td>30251695</td>
<td>Biochim Biophys Acta Mol Basis Dis</td>
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<td>Ming Zhou</td>
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<td>Ruili Yin</td>
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**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3
- **Aliquoting:** is unnecessary for -20°C storage

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For technical support and original validation data for this product please contact:

T 1 (888) 4PTGLAB (1-888-478-4522) toll free in USA, or (312) 405-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 16475-1-AP (Albumin antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.

Human blood tissue were subjected to SDS PAGE followed by western blot with 16475-1-AP (Albumin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16475-1-AP (Albumin antibody) at dilution of 1:200 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16475-1-AP (Albumin antibody) at dilution of 1:200 (under 40x lens).

Immunofluorescent analysis of 4% PFA fixed mouse liver tissue using 16475-1-AP (Albumin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunofluorescent analysis of 4% PFA fixed mouse liver tissue using 16475-1-AP (Albumin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).