For Research Use Only

Albumin Polyclonal antibody

Catalog Number:16475-1-AP 123 Publications

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Basic Information

Catalog Number:
16475-1-AP

Size:
150ul , Concentration: 750 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9569

GenBank Accession Number:
BC034023

GeneID (NCBI):
213

UNIPROT ID:
P02768

Full Name:
albumin

Calculated MW:
609 aa, 69 kDa

Observed MW:
66 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:5000-1:50000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF 1:50-1:500

Applications

Tested Applications:
WB, IP, IF, IHC, ELISA

Cited Applications:
WB, IF, IHC, CoIP, ELISA

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

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, mouse serum, human plasma, HepG2 cells, mouse liver tissue, rat liver tissue

IP : human plasma tissue,

IHC : human liver tissue, human heart tissue, human spleen tissue, human liver cancer tissue, mouse liver tissue

IF : mouse liver tissue, L02 cells

Background Information

Albumin is the most abundant protein in blood plasma. Alterations of level of serum albumin are linked to variety of diseases. Albumin is expressed exclusively by well-differentiated hepatocytes, thus anti-albumin has been used to mark hepatocytes. In additon, glycated serum albumin is also a potential diabetes biomarker. The N-terminal 24aa of albumin will be cleaved to generate the mature form of serum albumin with MW 66 kDa. (21388516, 23832071)

Notable Publications

Author	Pubmed ID	Journal	Application
Yue Gao	34630378	Front Immunol	ELISA
Folnetti A Alvarez	36114323	Breast Cancer Res Treat	WB
Hideaki Morishita	31526472	Elife	WB

Storage

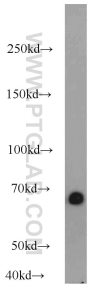
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

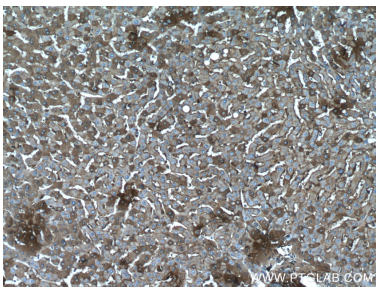
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

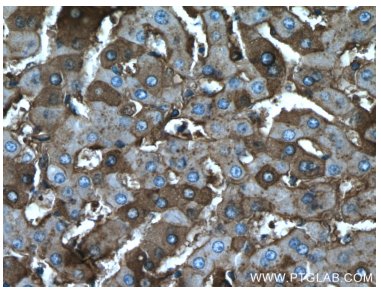
Selected Validation Data



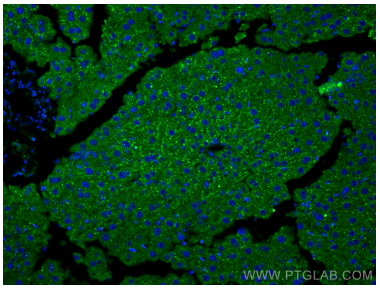
human blood were subjected to SDS PAGE followed by western blot with 16475-1-AP (ALB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



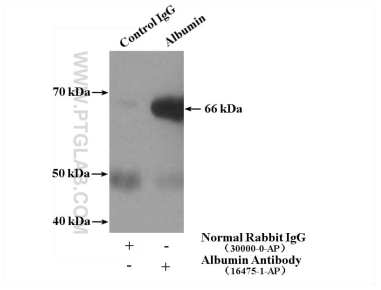
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16475-1-AP (Albumin antibody) at dilution of 1:200 (under 10x lens).



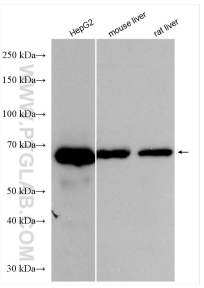
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16475-1-AP (Albumin antibody) at dilution of 1:200 (under 40x lens).



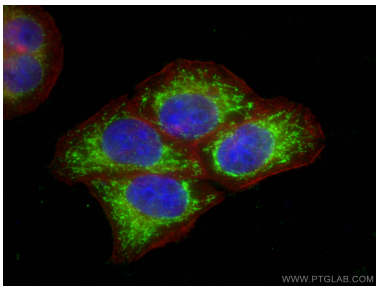
Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Albumin antibody (16475-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-Albumin (IP:16475-1-AP, 4ug; Detection:16475-1-AP 1:10000) with human plasma lysate 4000ug.



Various lysates 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.



Immunofluorescent analysis of (-20°C Ethanol) fixed L02 cells using Albumin antibody (16475-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).