For Research Use Only

Fetuin-A/AHSG Monoclonal antibody

Catalog Number:66094-1-Ig 1 Publications

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Basic Information

Catalog Number:
66094-1-Ig

Size:
2400 ug/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG10073

GenBank Accession Number:
BC048198

GeneID (NCBI):
197

UNIPROT ID:
P02765

Full Name:
alpha-2-HS-glycoprotein

Calculated MW:
367 aa, 39 kDa

Observed MW:
58 kDa

Purification Method:
Protein A purification

CloneNo.:
1F6B9

Recommended Dilutions:
WB 1:2000-1:10000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200
IF/ICC 1:400-1:1600

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:
IF

Species Specificity:
human

Cited Species:
human

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 : Hepg2 cells, human heart tissue, human plasma tissue

IP : HepG2 cells,

IHC : human liver cancer tissue, human liver tissue

IF/ICC : HepG2 cells,

Background Information

Fetuin-A (alpha-2-HS-glycoprotein, AHSG), a liver borne plasma protein, contributes to the prevention of soft tissue calcification, modulates inflammation, reduces INS sensitivity and fosters weight gain following high fat diet or ageing. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. The protein is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix, and it has therefore been postulated that it participates in the development of the tissues.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Lin Guo	39633051	Nature	IF

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

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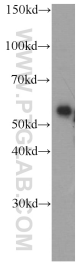
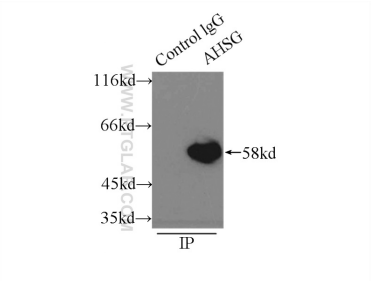
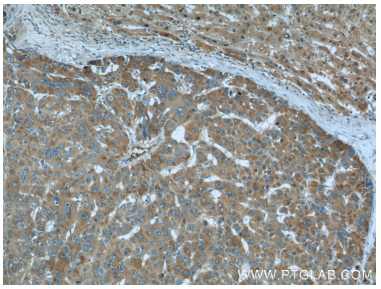
Selected Validation Data



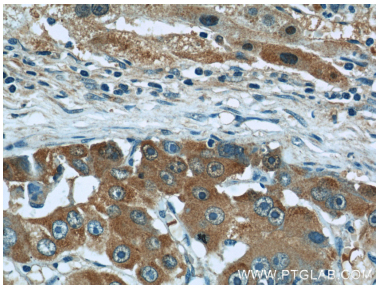
HepG2 cells were subjected to SDS PAGE followed by western blot with 66094-1-Ig (Fetuin-A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



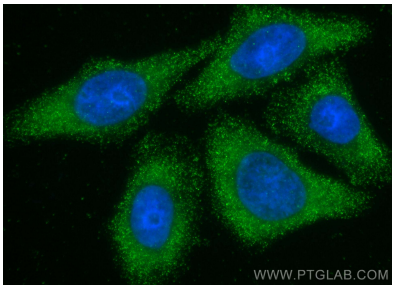
IP result of anti-Fetuin-A (IP:66094-1-Ig, 3ug; Detection:66094-1-Ig 1:3000) with HepG2 cells lysate 6000ug.



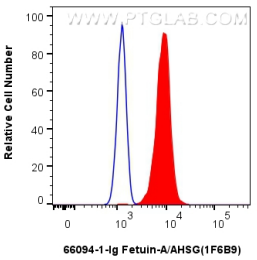
Immunohistochemical analysis of paraffin-embedded human liver cancer using 66094-1-Ig(Fetuin-A antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 66094-1-Ig(Fetuin-A antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Fetuin-A antibody (66094-1-Ig, Clone: 1F6B9) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).



1x10^6 HepG2 cells were intracellularly stained with 0.25 ug Fetuin-A/AHSG Monoclonal antibody (66094-1-Ig, Clone:1F6B9) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.25 ug Mouse IgG2a isotype control Mouse McAb (66360-2-Ig, Clone: 11A1B2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).