

# ASGR1 Monoclonal antibody

Catalog Number: 66692-1-Ig

Featured Product

## Basic Information

## Catalog Number:

66692-1-Ig

## Size:

1800 µg/ml

## Source:

Mouse

## Isotype:

IgG1

## Immunogen Catalog Number:

AG2310

## GenBank Accession Number:

BC032130

## GeneID (NCBI):

432

## UNIPROT ID:

P07306

## Full Name:

asialoglycoprotein receptor 1

## Calculated MW:

291 aa, 33 kDa

## Observed MW:

42-46 kDa

## Purification Method:

Protein G purification

## CloneNo.:

1G5F5

## Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:500-1:2000

IF 1:200-1:800

## Applications

## Tested Applications:

IF-P, IHC, WB, ELISA

## Species Specificity:

Human, Mouse, Pig, 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** : HuH-7 cells, L02 cells, HepG2 cells, pig liver tissue, mouse hepatocytes, HSC-T6 cells

**IHC** : human liver tissue,

**IF** : mouse liver tissue,

## Background Information

Asialoglycoprotein receptor (ASGPR), also known as the hepatic galactose/N-acetylglucosamine (GlcNAc) receptor or Ashwell receptor, is a C-type lectin expressed exclusively in hepatic parenchymal cells. ASGPR consists of two subunits, a major subunit (ASGR1, HL-1) and a minor subunit (ASGR2, HL-2), and specifically recognizes terminal  $\beta$ -linked galactose or GlcNAc on circulating glycoproteins or cells. This receptor plays a critical role in serum glycoprotein homeostasis by mediating the endocytosis and lysosomal degradation of glycoproteins that contain terminal galactose or GlcNAc residues. ASGPR may facilitate hepatic infection by multiple viruses including hepatitis B, and is also a target for liver-specific drug delivery.

## 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:

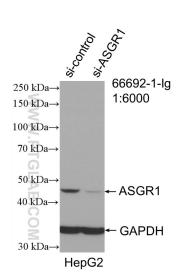
T: 4006900926

E: Proteintech-CN@ptglab.com

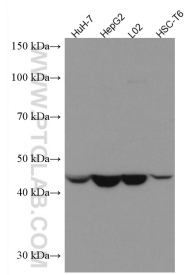
W: ptgcn.com

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

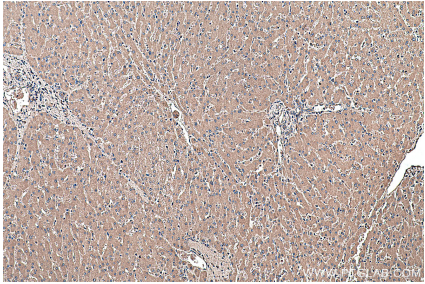
Selected Validation Data



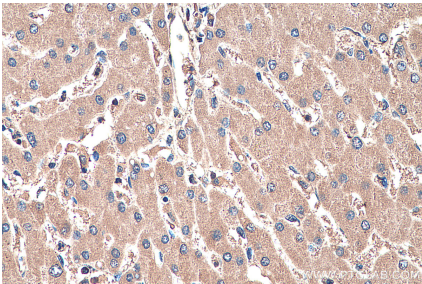
WB result of ASGR1 antibody (66692-1-Ig; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ASGR1 transfected HepG2 cells.



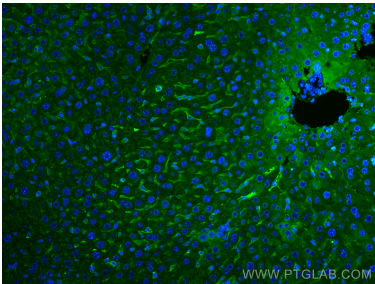
Various lysates were subjected to SDS PAGE followed by western blot with 66692-1-Ig (ASGR1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66692-1-Ig (ASGR1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66692-1-Ig (ASGR1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using ASGR1 antibody (66692-1-Ig, Clone: 1G5F5) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).