

For Research Use Only

# PE-conjugated ASGR1 Monoclonal antibody

Catalog Number: PE-66692

Featured Product



## Basic Information

**Catalog Number:**

PE-66692

**Size:**

200 ug/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:**

IF-P 1:50-1:500

**Excitation/Emission maxima wavelengths:**

496 nm, 565 nm / 578 nm

## Applications

**Tested Applications:**

IF-P

**Species Specificity:**

human, mouse, rat, pig

**Positive Controls:**

IF-P: rat 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.1% sodium azide and 0.5% BSA.

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

T: 4006900926

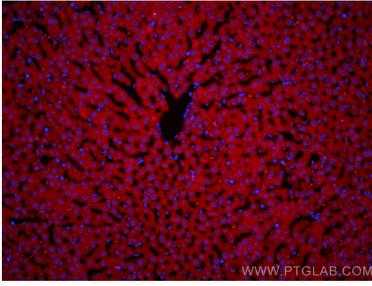
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat liver tissue using PE ASGR1 antibody (PE-66692, Clone: 1G5F5 ) at dilution of 1:100. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).