

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 β -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:

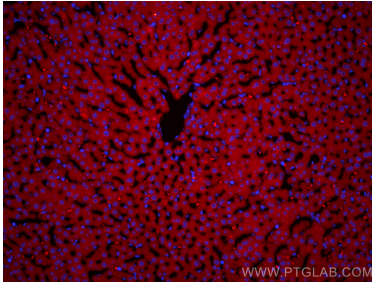
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).