

For Research Use Only

CoraLite®594-conjugated ASGR1 Polyclonal antibody

Catalog Number: CL594-11739

Featured Product

1 Publications



Basic Information

Catalog Number:

CL594-11739

Source:

Rabbit

Isotype:

IgG

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

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

FC: 0.4 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P, FC

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

IF-P: rat liver tissue, human liver cancer tissue

FC: HepG2 cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yunjun Yin	39055948	iScience	IF

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

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

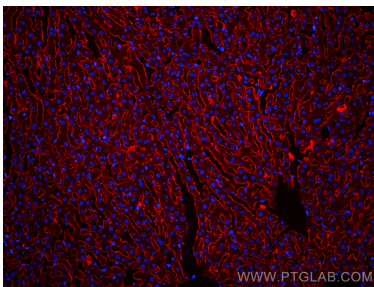
T: 4006900926

E: Proteintech-CN@ptglab.com

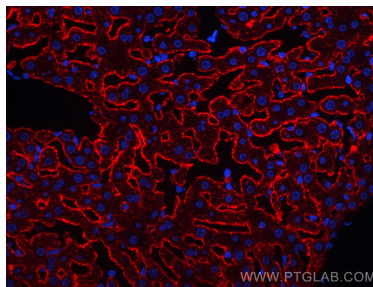
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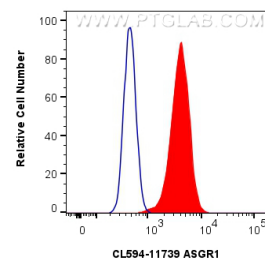
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat liver tissue using CoraLite®594 ASGR1 antibody (CL594-11739) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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1x10⁶ HepG2 cells were surface stained with 0.4 ug CoraLite®594-conjugated ASGR1 Polyclonal antibody (CL594-11739)(red), or 0.4 ug Isotype Control (blue). Cells were not fixed.