

For Research Use Only

CoraLite® Plus 555-conjugated ASGR1 Recombinant monoclonal antibody

Catalog Number: CL555-83691-3



Basic Information

Catalog Number: CL555-83691-3	GenBank Accession Number: NM_001671.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 432	CloneNo.: 240672C4
Source: Rabbit	UNIPROT ID: P07306-1	Recommended Dilutions: IF-P: 1:50-1:500
Isotype: IgG	Full Name: asialoglycoprotein receptor 1	Excitation/Emission maxima wavelengths: 554 nm / 570 nm
Immunogen Catalog Number: EG0946	Calculated MW: 33 kDa	
	Observed MW: 42-46 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : rat liver tissue,
Species Specificity: human, rat	

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.

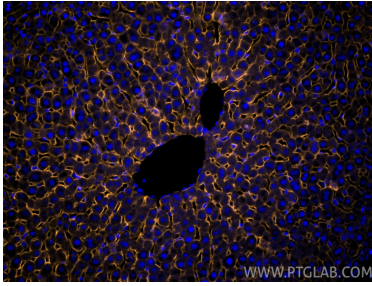
Storage

Storage:
Store at -20°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
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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 CoraLite® Plus 555 ASGR1 antibody (CL555-83691-3, Clone: 240672C4) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).