

For Research Use Only

# CoraLite®594-conjugated ASGR1 Polyclonal antibody



Catalog Number:CL594-11739

Featured Product

## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>CL594-11739                             | <b>GenBank Accession Number:</b><br>BC032130       | <b>Purification Method:</b><br>Antigen affinity purification          |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>432                       | <b>Recommended Dilutions:</b><br>IF 1:50-1:500                        |
| <b>Source:</b><br>Rabbit  | <b>Full Name:</b><br>asialoglycoprotein receptor 1 | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>588 nm / 604 nm |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>291 aa, 33 kDa            |   |
| <b>Immunogen Catalog Number:</b><br>AG2310                        |  |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>IF                | <b>Positive Controls:</b><br>IF : rat liver tissue, human liver cancer tissue |
| <b>Species Specificity:</b><br>human, mouse, 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  $\beta$ -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. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

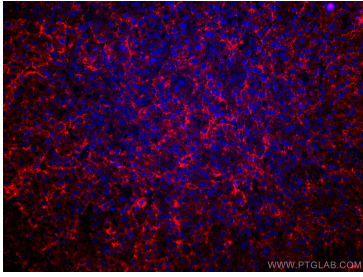
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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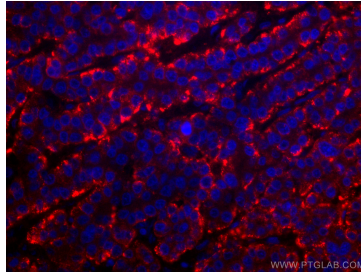
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite®594 ASGR1 antibody (CL594-11739) at dilution of 1:200.



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