

For Research Use Only

# ASGR2 Monoclonal antibody

Catalog Number: 66831-1-Ig



## Basic Information

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|--|--|---|
| <b>Catalog Number:</b><br>66831-1-Ig   | <b>GenBank Accession Number:</b><br>BC017251       | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>150ul , Concentration: 2900 ug/ml by<br>Nanodrop and 1500 ug/ml by Bradford<br>method using BSA as the standard; | <b>GeneID (NCBI):</b><br>433                       | <b>CloneNo.:</b><br>2A5C12                            |
| <b>Source:</b><br>Mouse  | <b>UNIPROT ID:</b><br>P07307                       | <b>Recommended Dilutions:</b><br>WB 1:1000-1:3000     |
| <b>Isotype:</b><br>IgG2a   | <b>Full Name:</b><br>asialoglycoprotein receptor 2 |   |
| <b>Immunogen Catalog Number:</b><br>AG2037   | <b>Calculated MW:</b><br>39 kDa                    |   |
|  | <b>Observed MW:</b><br>36 kDa                      |   |

## Applications

|   |   |
|---|---|
| <b>Tested Applications:</b><br>WB, ELISA  | <b>Positive Controls:</b><br>WB : SMMC-7721 cells, HSC-T6 cells |
| <b>Species Specificity:</b><br>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  $\beta$ -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. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

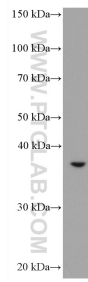
For technical support and original validation data for this product please contact:

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## Selected Validation Data



SMMC-7721 cells were subjected to SDS PAGE followed by western blot with 66831-1-Ig (ASGR2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.