## For Research Use Only

## ASGR2 Monoclonal antibody

Catalog Number: 66831-1-Ig



**Purification Method:** 

Protein A purification

Recommended Dilutions:

WB 1:1000-1:3000

CloneNo.:

2A5C12

**Basic Information** 

Catalog Number: GenBank Accession Number: 66831-1-lg BC017251

Size: GeneID (NCBI): 2900 μg/ml 433

Source: UNIPROT ID:
Mouse P07307
Isotype: Full Name:

IgG2a asialoglycoprotein receptor 2

Immunogen Catalog Number: Calculated MW: AG2037 39 kDa

Observed MW: 36 kDa

**Applications** 

Tested Applications:

WB, ELISA

Species Specificity: Human, rat

Positive Controls:

WB: SMMC-7721 cells, HSC-T6 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  $\beta$ -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:

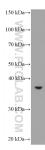
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



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