

Rabbit anti-Human ASGR2 Monoclonal Antibody | anti-ASGR2 antibody

Recombinant Anti-ASGR2 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255706	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

ASGR2; Monoclonal Antibody; Recombinant Anti-ASGR2 Antibody; Rabbit Monoclonal; ASGR2/ASGPR2 Antibody; Rabbit MAb; asialoglycoprotein receptor 2; Anti-ASGP-R2 Antibody; Anti-ASGPR2 Antibody; Anti-CLEC4H2 Antibody; Anti-HBXPB Antibody; Anti-HL-2 Antibody; anti-ASGR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	002
Specificity	Human ASGR2/ASGPR2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ASGR2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human ASGR2/ASGPR2 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human ASGR2/ASGPR2 (rh ASGR2/ASGPR2).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of ASGR2 in HepG2 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human ASGR2 monoclonal antibody (1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).

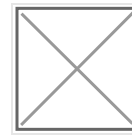


FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human ASGR2 expression on HepG2 cells. Cells were stained with purified anti-Human ASGR2, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

**IHC (Immunohistochemistry)**

Immunochemical staining of human ASGR2 in human cirrhosis with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of human ASGR2 in human liver with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-ASGR2 antibody	ASGR2 is a subunit of the asialoglycoprotein receptor. Asialoglycoprotein receptor, also known as the Ashwell receptor, which is specific for desialylated (galactosyl-terminal) glycoproteins and is expressed exclusively in hepatic parenchymal cells. This receptor is a transmembrane protein that plays a critical role in serum glycoprotein homeostasis by mediating the endocytosis and lysosomal degradation of glycoproteins with exposed terminal galactose or N-acetylgalactosamine residues. ASGR2 is a glycoprotein. The asialoglycoprotein receptor may facilitate hepatic infection by multiple viruses including hepatitis B, and is also a target for liver-specific drug delivery. The asialoglycoprotein receptor is a hetero-oligomeric protein composed of major and minor subunits, which are encoded by different genes. ASGR2 is the less abundant minor subunit.
References	Davila S, et al. (2010) New genetic associations detected in a host response study to hepatitis B vaccine. <i>Genes Immun.</i> 11(3):232-8. Zhang X, et al. (2011) Asialoglycoprotein receptor interacts with the preS1 domain of hepatitis B virus in vivo and in vitro. <i>Arch Virol.</i> 156(4):637-45. Guy CS, et al. (2011) Hepatocyte cytotoxicity is facilitated by asialoglycoprotein receptor. <i>Hepatology.</i> 54(3):1043-50.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502253
NCBI GeneID	433
NCBI Accession #	NP_001172.1
NCBI GenBank Nucleotide #	NM_001181.4
UniProt Accession #	P07307 ; O00448 ; Q03969 ; A6NLV8 ; A8MT12 ; D3DTM9 ; D3DTN0
Molecular Weight	32,550 Da
NCBI Official Full Name	asialoglycoprotein receptor 2 isoform a
NCBI Official Synonym Full Names	asialoglycoprotein receptor 2
NCBI Official Symbol	ASGR2
NCBI Official Synonym Symbols	HL-2; HBXBP; ASGPR2; ASGP-R2; CLEC4H2
NCBI Protein Information	asialoglycoprotein receptor 2; C-type lectin domain family 4 member H2; HBxAg-binding protein; hepatic lectin H2
UniProt Protein Name	Asialoglycoprotein receptor 2
UniProt Gene Name	ASGR2
UniProt Synonym Gene Names	CLEC4H2; ASGP-R 2; ASGPR 2; HL-2
UniProt Entry Name	ASGR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/asgr2-antibody-clone-002-immunofluorescence-immunocytochemistry-flow-cytometry-immunohistochemistry-elisa/255706>