Product datasheet

Anti-ASGR1 Antibody

Catalog Number: *A05376-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-ASGR1 Antibody
Gene Name	ASGR1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, IP, FCM
Contents	500 ug/ml antibody with PBS，0.02% NaN3, 1 mg BSA and 50% glycerol.
Immunogen	E.coli-derived human ASGR1 recombinant protein (Position: Y5-L291).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	38 kDa
Dilution Ratios	Western blot (WB): 1:1000-5000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 ImmunoPrecipitation (IP): 1:50 Flow Cytometry (FCM): 1-3 µg/1x10^6 cells (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

This gene encodes a subunit of the asialoglycoprotein receptor. 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. 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. The protein encoded by this gene is the more abundant major subunit. Alternatively spliced

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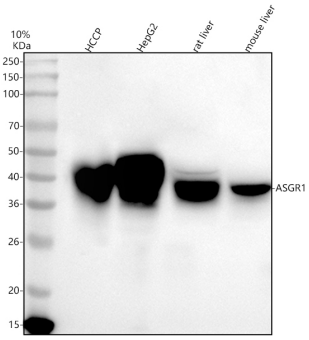
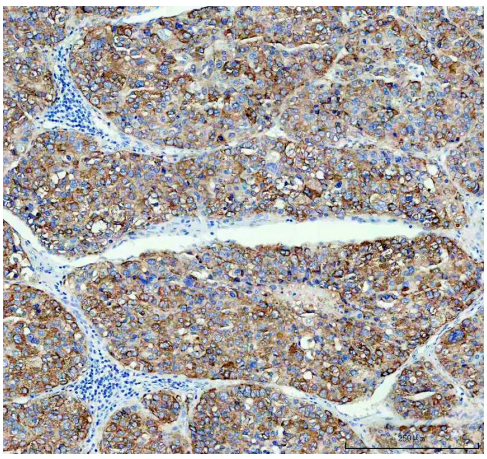
transcript variants encoding multiple isoforms have been observed for this gene.

Selected Validation Data



Western blot analysis of ASGR1 using anti-ASGR1 antibody (A05376-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human hepatocellular carcinoma paracancerous tissue (HCCP) lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: rat liver tissue lysates,
Lane 4: mouse liver tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ASGR1 antigen affinity purified polyclonal antibody (A05376-1) at a dilution of 1:2000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ASGR1 at approximately 38 kDa. The expected band size for ASGR1 is at 33 kDa.



IHC analysis of ASGR1 using anti-ASGR1 antibody (A05376-1). ASGR1 was detected in a paraffin-embedded section of human liver cancer tissue. The tissue section was incubated with rabbit anti-ASGR1 Antibody (A05376-1) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.