SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-ASGPR1 antibody

Catalog Number: SL23721R

FOR RESEARCH USE ONLY

[DATASHEET]

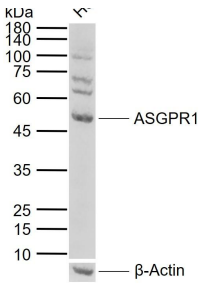
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ASGPR1
Immunogen:	KLH conjugated synthetic peptide derived from human ASGPR1: 51-150/291 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	32kDa
Subcellular Location:	The cell membrane
Background:	ASGR is a heterooligomeric receptor that is abundantly expressed on the sinusoidal surface of the hepatic plasma membrane. It is an endocytic receptor that rapidly binds and internalizes galactose-terminated glycoproteins (asialoglycoproteins or ASGP) from the circulation. The mouse ASGPR belongs to the long-form subfamily of the C-type/Ca2+ dependent lectin family. It is a complex of two noncovalently-linked and highly homologous subunits, a major 42 kDa glycoprotein ASGPR1(MHL-1) and a minor 51 kDa glycoprotein ASGR2 (MHL-2). ASGPR1 is synthesized as a type II transmembrane protein that contains a cytosolic N-terminal domain, a single transmembrane segment, and an extracellular domain which contains two important structural regions. The first is a stalk domain that contributes to noncovalent oligomerization, and the second is a Ca2+-dependent carbohydrate binding domain at the very C-terminus that is unusually

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	stabilized by three ions. The aa sequence of mouse ASGPR1 ECD is 89% and 79% identical to the ASGPR1 ECD of rat and human, respectively. **Function:** Mediates the endocytosis of plasma glycoproteins to which the terminal sialic acid residue on their complex carbohydrate moieties has been removed. The receptor recognizes terminal galactose and N-acetylgalactosamine units. After ligand binding to the receptor, the resulting complex is internalized and transported to a sorting organelle, where receptor and ligand are disassociated. The receptor then returns to the cell membrane surface. **Subunit:** Interacts with LASS2. **Subcellular Location:** Membrane; Single-pass type II membrane protein. **Tissue Specificity:** Expressed exclusively in hepatic parenchymal cells. **Post-translational modifications:** Phosphorylated on a cytoplasmic Ser residue. **Similarity:** Contains 1 C-type lectin domain. **Database links:** **Entrez Gene:** 509121 Cow **Entrez Gene:** 432 Human **Entrez Gene:** 11889 Mouse **Entrez Gene:** 24210 Rat Omim: 108360 Human **SwissProt:** P07306 Human **SwissProt:** P34927 Mouse **SwissProt:** P02706 Rat **Unigene:** 12056 Human **Unigene:** 6559 Mouse **Unigene:** 44300 Rat

[VALIDATION IMAGES]



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

Sample:
Lane 1: Human HepG2 cell lysates
Primary: Anti-ASGPR1 (SL23721R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 32 kDa
Observed band size: 50 kDa

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.