

Anti-ASGR1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 32 kDa. Actual: 47 kDa.
Purification:	Protein A purified

Applications

Sample:

Lane 1: Rat Liver tissue lysates

Lane 2: Human HepG2 cell lysates

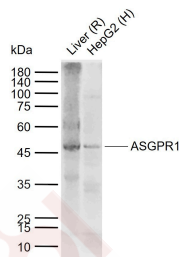
Verified Activity:

Primary: Anti-ASGPR1 (TMAB-00153) at 1/200 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 32 kDa

Observed band size: 47 kDa



Application:	WB
Recommended	WB=1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human ASGPR1
Antigen Species:	Human
Gene ID:	432
Uniprot ID:	P07306
Synonyms:	asialoglycoprotein receptor 1;ASGPR1;CLEC4H1;ASGPR;HL-1
Biology Area:	Organelle Proteins

Research 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

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(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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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