



Rabbit Anti-Human ASGR1 monoclonal antibody, clone S132 (CABT-ZB823)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human ASGR1
Target	ASGR1
Immunogen	Recombinant Human ASGPR1 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S132
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, ELISA(cap), IP We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB823 - CABT-ZB1113 This antibody will detect ASGR1 in antibody pair set. [ABPR-ZB404]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human ASGPR1 .
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	The asialoglycoprotein receptor (ASGPR), an endocytotic cell surface receptor expressed by hepatocytes, is triggered by triantennary binding to galactose residues of macromolecules such as asialoorosomucoid (ASOR). ASGPR belongs to the long-form subfamily of the C-type/Ca ²⁺ -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 Ca ²⁺ -dependent carbohydrate binding domain at the very C-terminus that is unusually stabilized by three ions. The research regarded that ASGPR1 could be targeted for anti- hepatitis B virus (HBV) drug development.
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Keywords	ASGR1; asialoglycoprotein receptor 1; HL-1; ASGPR
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GENE INFORMATION

Synonyms	ASGR1; asialoglycoprotein receptor 1; HL-1; ASGPR; ASGPR1; CLEC4H1; hepatic lectin H1; C-type lectin domain family 4 member H1
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Entrez Gene ID	432
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UniProt ID	P07306
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