

**DATASHEET**

**ASGR1 Rabbit Polyclonal Antibody**

CAT. NO. APA14584

**KEY FEATURES**

Target	ASGR1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Transmembrane protein predominantly expressed on hepatocytes that plays a key role in endocytosis of plasma glycoproteins that lack terminal sialic acid residues. Specifically recognizes terminal galactose and N-acetylgalactosamine residues, facilitating the clearance of desialylated glycoproteins from circulation. Plays thereby a role in a variety of physiological processes, such as removal of desialylated platelets, elimination of activated lymphocytes and maintenance of serum glycoprotein homeostasis . Plays a role in the removal of desialylated platelets by activating a feedback loop regulating thrombopoietin (TPO) expression via the JAK2-STAT3 signaling pathway .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to ASGR1
Specificity	Recognizes endogenous levels of ASGR1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ASGR1
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 29; Observed: 33; 45 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CLEC4H1; Asialoglycoprotein receptor 1; ASGP-R 1; ASGPR 1; C-type lectin domain family 4 member H1; Hepatic lectin H1; HL-1
Gene Symbol	ASGR1
Entrez Gene	432(Human); 11889(Mouse); 24210(Rat)
SwissProt	P07306(Human); P34927(Mouse); P02706(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

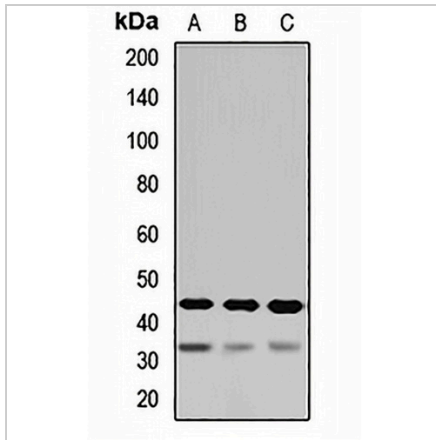
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**



Western blot analysis of ASGR1 expression in HepG2 (A), mouse liver (B), rat lung (C) whole cell lysates. (Predicted band size: 29; 33 kD; Observed band size: 33; 45 kD)

Data 2

Immunohistochemical analysis of ASGR1 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.