Datasheet for ABIN1105447

anti-Asialoglycoprotein Receptor 1 antibody

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Overview

Quantity:	0.1 mg
Target:	Asialoglycoprotein Receptor 1 (ASGR1)
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Asialoglycoprotein Receptor 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Clone:	8D7
Isotype:	IgG1
Specificity:	This antibody recognizes a subunit-specific epitope on RHL-1 of rat ASGPR.
Cross-Reactivity (Details):	Species reactivity (tested):Human, rat
Purification:	Protein G

Target Details

Target:	Asialoglycoprotein Receptor 1 (ASGR1)
Alternative Name:	ASGR1 (ASGR1 Products)
Background:	The asialoglycoprotein (ASGP) receptor is a transmembrane hepatocellular surface

Target Details

	carbohydrate binding glycoproteins lacking terminal sialic acid residues (asialoglycoproteins). Characterization of the ASGP receptor revealed its functional role in the binding, internalization and transport of a wide range of glycoproteins, which have exposed galactose or N-acetylgalactosamine residues, via the process of receptor-mediated endocytosis (RME). The ASGP receptor can bind a variety of important plasma proteins including transport proteins (i.e. transferrin), enzymes such as alkaline phosphatase, immunoglobulins including IgA, apoptotic hepatocytes, fibronectin and platelets. Additionally, the expression of the ASGP receptor has been clinically correlated to the level of hepatic function that is lost during liver diseases related to cancer, viral hepatitis, and cirrhosis. The ASGP receptor consists of major and minor subunits, which in the rat were identified as rat hepatic lectin (RHL) 1 and RHL 2/3, with molecular weights of respectively 42, 49 and 54 kDa. The selective binding (calcium and pH depended) and uptake of terminal galactosyl bearing proteins requires the formation of hetero-oligomers between these major and minor forms The total ASGP receptor population consisted of two functionally distinct receptor populations, designated State 1 and State 2, which were involved in the endocytosis and intracellular processing of ligands by different pathways.Synonyms: ASGP-R 1, ASGPR 1, Asialoglycoprotein receptor 1, Hepatic lectin H1
Gene ID:	24210
NCBI Accession:	NP_036635
UniProt:	P02706
Pathways:	Thyroid Hormone Synthesis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	PBS, 0.02 % sodium azide, 1 % bovine serum albumin
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C

Handling

Storage Comment:	Store at 2 - 8 °C.