

Datasheet for ABIN6991908
anti-SOGA1 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	SOGA1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOGA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	SOGA1 antibody was raised against a 16 amino acid peptide near the carboxy terminus of human SOGA. The immunogen is located within the last 50 amino acids of SOGA1 .
Isotype:	IgG
Specificity:	SOGA1 antibody is human specific. At least four isoforms of SOGA1 are known to exist.
Purification:	SOGA1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SOGA1
Alternative Name:	SOGA1 (SOGA1 Products)
Background:	The recently identified protein suppressor of glucose by autophagy protein 1 (SOGA1) has been

Target Details

found to be involved in the regulation of autophagy (1). SOGA1 is thought to contribute to adiponectin-mediated insulin-dependent inhibition of autophagy during the activation of adenosine monophosphate kinase (AMPK) (1,2). SOGA1 contains an internal signal peptide that enables the secretion of a circulating fragment of SOGA1, providing a surrogate marker for intracellular SOGA1 levels (2). Knockdown of SOGA1 elevated glucose production in primary hepatocytes indicates that SOGA1 is an inhibitor of glucose production. It thus might be useful as a novel therapeutic target for diabetes (3).

Molecular Weight: Predicted: 183 kDa

Observed: 200kDa

Gene ID: 140710

NCBI Accession: [NP_954650](#)

UniProt: [O94964](#)

Application Details

Application Notes: SOGA1 antibody can be used for detection of SOGA1 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: SOGA1 Antibody is supplied in PBS containing 0.02 % sodium azide.

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: -20 °C, 4 °C

Storage Comment: SOGA1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.