

Anti-GAR1 antibody



Description Unconjugated Rabbit polyclonal to GAR1

Model STJ191817

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, WB

Immunogen Synthesized peptide derived from human GAR1 protein.

Immunogen Region 110-190aa

Gene ID <u>54433</u>

Gene Symbol GAR1

Dilution range WB 1:500-2000 ELISA 1:5000-20000

Specificity GAR1 Polyclonal Antibody detects endogenous levels of protein.

Purification GAR1 antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name H/ACA ribonucleoprotein complex subunit 1 Nucleolar protein family A

member 1 snoRNP protein GAR1

Molecular Weight 23 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:14264OMIM:606468</u>

Alternative Names H/ACA ribonucleoprotein complex subunit 1 Nucleolar protein family A

member 1 snoRNP protein GAR1

Function Required for ribosome biogenesis and telomere maintenance. Part of the

H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA. This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1. Each rRNA can contain up to 100 pseudouridine ("psi") residues, which may serve to stabilize the conformation of rRNAs. May also be required for correct processing or intranuclear trafficking of TERC, the RNA

component of the telomerase reverse transcriptase (TERT) holoenzyme.

Sequence and Domain Family Interaction with SMN1 requires at least one of the RGG-box regions.

Cellular Localization Nucleus, nucleolus. Nucleus, Cajal body. Also localized to Cajal bodies

(coiled bodies).

St John's Laboratory Ltd

F +44 (0)207 681 2580

T+44 (0)208 223 3081

W http://www.stjohnslabs.com/ E info@stjohnslabs.com