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	54433
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	HGNC:14264OMIM:606468
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).