

GAR1 Recombinant antibody

Catalog Number: 83577-4-RR

Basic Information

Catalog Number:

83577-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2282

GenBank Accession Number:

BC003413

GeneID (NCBI):

54433

UNIPROT ID:

Q9NY12

Full Name:

GAR1 ribonucleoprotein homolog
(yeast)

Calculated MW:

217 aa, 22 kDa

Observed MW:

25-28 kDa

Purification Method:

Protein A purification

CloneNo.:

240537A2

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : A375 cells, HeLa cells, mouse skin tissue

Background Information

GAR1, other named NOLA1, is a subunit of H/ACA and telomerase. Thought is not required for H/ACA protein assembly, GAR1 is necessary for ribosome biogenesis and telomere. H/ACA involves in class specify the sites of uridine-to-pseudouridine. It contains a core domain that flanked by glycine- and arginine-rich(GAR) domains. GAR1 also required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase(TERT) holoenzyme.

Storage

Storage:

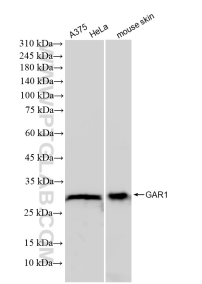
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

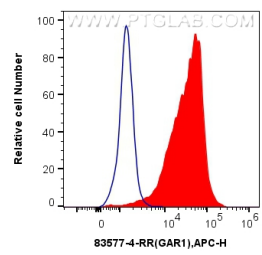
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

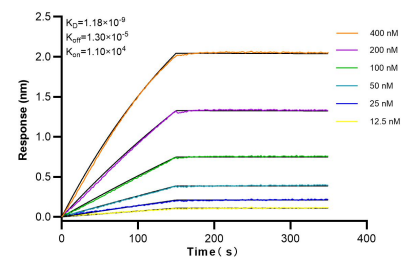
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83577-4-RR (GAR1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



1x10⁶ K562 were intracellularly stained with 0.2 ug GAR1 Recombinant antibody (83577-4-RR, Clone:240537A2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.2 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83577-4-RR against Human GAR1 were performed. The affinity constant is 1.18 nM.