

For Research Use Only

GAR1 Recombinant antibody

Catalog Number: 83577-1-RR



Basic Information

Catalog Number: 83577-1-RR	GenBank Accession Number: BC003413	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 54433	CloneNo.: 240537C11
Source: Rabbit	UNIPROT ID: Q9NY12	Recommended Dilutions: IF/ICC 1:150-1:600
Isotype: IgG	Full Name: GAR1 ribonucleoprotein homolog (yeast)	
Immunogen Catalog Number: AG2282	Calculated MW: 217 aa, 22 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human	

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

For technical support and original validation data for this product please contact:

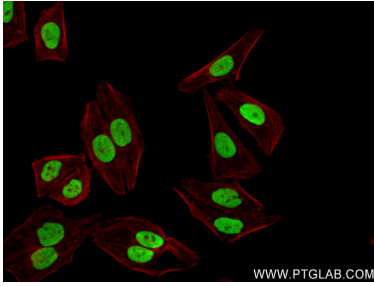
T: 4006900926

E: Proteintech-CN@ptglab.com

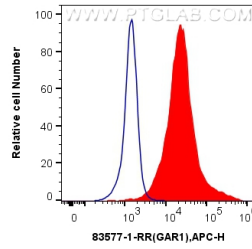
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

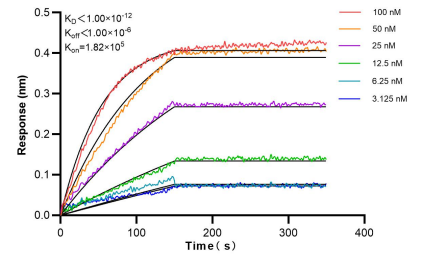
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using GAR1 antibody (83577-1-RR, Clone: 240537C11) at dilution of 1:300 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ K562 were intracellularly stained with 0.25 ug GAR1 Recombinant antibody (83577-1-RR, Clone:240537C11) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83577-1-RR against Human GAR1 were performed. The affinity constant is below 1 pM.