

For Research Use Only

GAR1 Recombinant antibody

Catalog Number: 83577-4-RR



Basic Information

Catalog Number: 83577-4-RR	GenBank Accession Number: BC003413	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 54433	CloneNo.: 240537A2
Source: Rabbit	UNIPROT ID: Q9NY12	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Full Name: GAR1 ribonucleoprotein homolog (yeast)	
Immunogen Catalog Number: AG2282	Calculated MW: 217 aa, 22 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : A375 cells, HeLa cells, mouse skin tissue
Species Specificity: human, mouse	

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

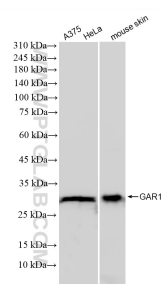
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

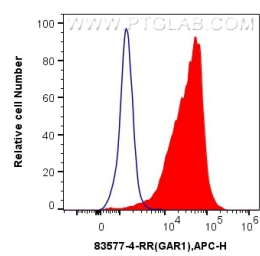
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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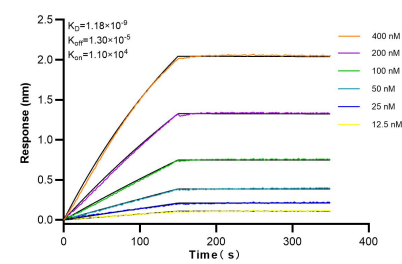
Selected Validation Data



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 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.