

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 ug/ml	GeneID (NCBI): 54433	CloneNo.: 240537C11
Source: Rabbit	UNIPROT ID: Q9NY12	Recommended Dilutions: IHC 1:250-1:1000 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: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	IHC : human skin cancer tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF/ICC : HepG2 cells,

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:

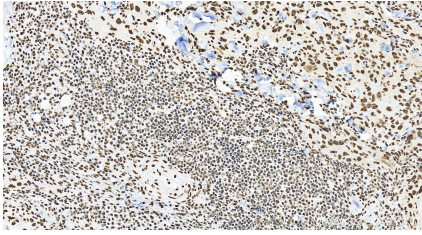
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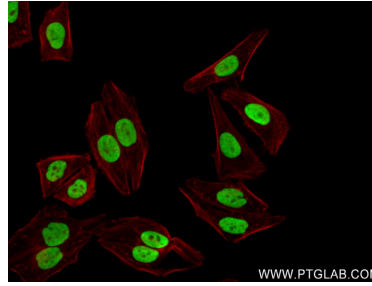
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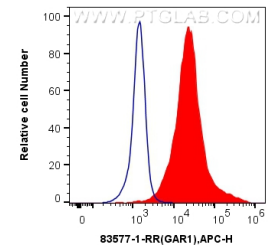
Selected Validation Data



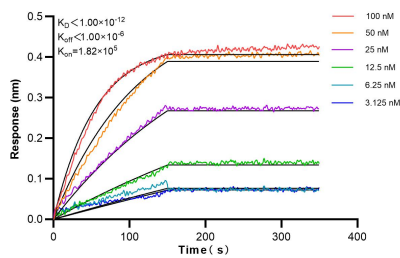
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 83577-1-RR (GAR1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1×10^6 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.