

For Research Use Only

# GAR1 Polyclonal antibody

Catalog Number: 11711-1-AP

Featured Product

13 Publications



## Basic Information

<b>Catalog Number:</b> 11711-1-AP	<b>GenBank Accession Number:</b> BC003413	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 54433	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> GAR1 ribonucleoprotein homolog (yeast)	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 217 aa, 22 kDa	
<b>Immunogen Catalog Number:</b> AG2282	<b>Observed MW:</b> 28 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : A375 cells, human skin tissue
<b>Cited Applications:</b> CoIP, IHC, IP, WB	<b>IP :</b> A375 cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human skin cancer tissue,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kim Min Sung MS	22935986	Pathology	IHC
Cai Han	35354054	Cell Rep	WB
Nikita V Savelyev	34095104	Front Cell Dev Biol	WB

## Storage

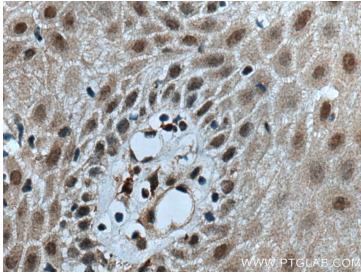
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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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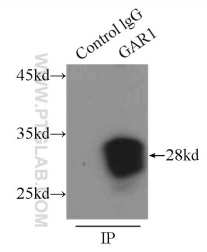
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 11711-1-AP (GAR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



A375 cells were subjected to SDS PAGE followed by western blot with 11711-1-AP (GAR1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP Result of anti-GAR1 (IP:11711-1-AP, 3ug; Detection:11711-1-AP 1:300) with A375 cells lysate 6000ug.