

For Research Use Only

GAR1 Polyclonal antibody

Catalog Number: 11711-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

11711-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

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:

28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IP, CoIP

Species Specificity:

human

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A375 cells, human skin tissue

IP : A375 cells,

IHC : human skin cancer 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.

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

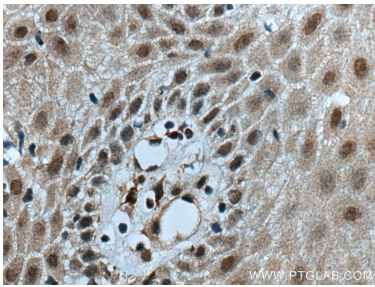
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

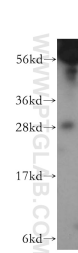
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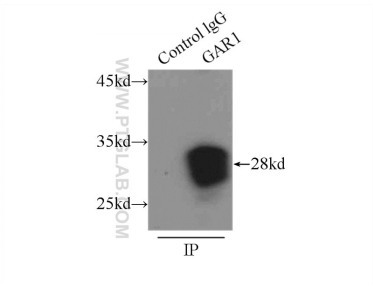
Selected Validation Data



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.