

For Research Use Only

NAA40 Polyclonal antibody

Catalog Number: 16698-1-AP

1 Publications



Basic Information

Catalog Number:

16698-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10092

GenBank Accession Number:

BC052298

GeneID (NCBI):

79829

UNIPROT ID:

Q86UY6

Full Name:

N-acetyltransferase 11 (GCN5-related, putative)

Calculated MW:

237 aa, 27 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

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 : HEK-293 cells, HeLa cells, HepG2 cells, mouse spleen tissue

IHC : human ovarian cancer,

IF/ICC : U2OS cells,

Background Information

N-alpha-acetyltransferase 40 (NAA40, also known as NatD, Nat4, or Patt1) is a highly specific epigenetic enzyme catalyzing the transfer of an acetyl moiety at the N-terminal end of histones H4 and H2A (PMID: 26666750). NAA40 is significantly upregulated in primary CRC tissues and promotes CRC cell growth both in vitro and in xenograft tumor models (PMID: 30858358). Western blot analysis detected NAA40 at an apparent molecular mass of 27 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Chunfei Li	39757327	Cell Biol Toxicol	WB,IF

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:

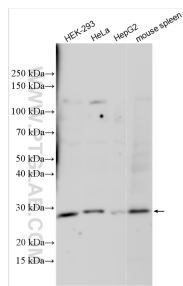
T: 4006900926

E: Proteintech-CN@ptglab.com

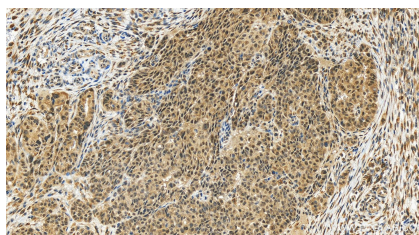
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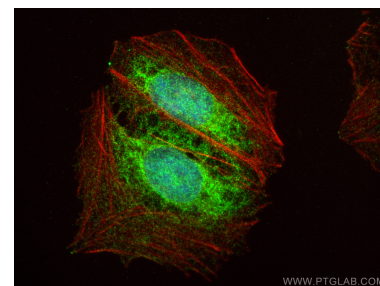
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16698-1-AP (NAT11 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 16698-1-AP (NAA40 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using NAA40 antibody (16698-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).