

For Research Use Only

NAT10 Polyclonal antibody

Catalog Number: 13365-1-AP

Featured Product

61 Publications



Basic Information

Catalog Number:

13365-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4184

GenBank Accession Number:

BC035558

GeneID (NCBI):

55226

UNIPROT ID:

Q9H0A0

Full Name:

N-acetyltransferase 10 (GCN5-related)

Calculated MW:

1025 aa, 116 kDa

Observed MW:

116 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

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

IHC 1:50-1:500

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, RIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, zebrafish

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 : A549 cells, HeLa cells, NIH/3T3 cells

IP : mouse testis tissue,

IHC : human ovary cancer tissue, human stomach cancer tissue

IF/ICC : NIH/3T3 cells, HeLa cells

Background Information

NAT10 (N-acetyltransferase 10) is a nucleolar protein that is involved in regulation of telomerase activity, DNA damage response, and cytokinesis. It also plays a role in maintaining nuclear shape. Inhibition of NAT10 has been reported to rescue the misshapen nuclei in laminopathic cells via microtubule reorganization. The specificity of this antibody has been tested by siRNA. (24786082)

Notable Publications

Author	Pubmed ID	Journal	Application
Xin-Hang Dong	34786056	Am J Transl Res	WB
Mingrui Zhai	36496983	Cells	WB
Daniel Arango	30449621	Cell	WB,IP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

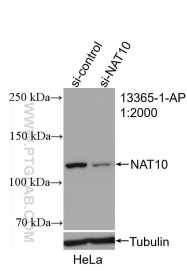
For technical support and original validation data for this product please contact:

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

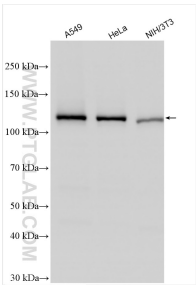
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

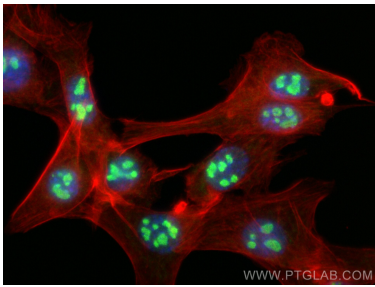
Selected Validation Data



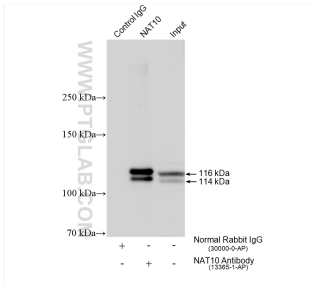
WB result of NAT10 antibody (13365-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NAT10 transfected HeLa cells.



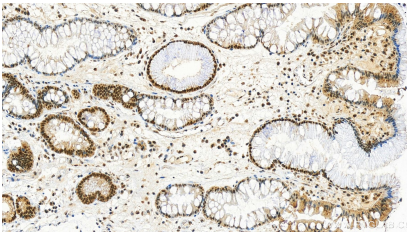
Various lysates were subjected to SDS PAGE followed by western blot with 13365-1-AP (NAT10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



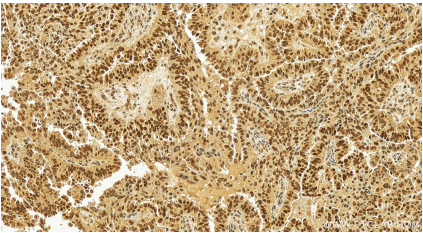
Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using NAT10 antibody (13365-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



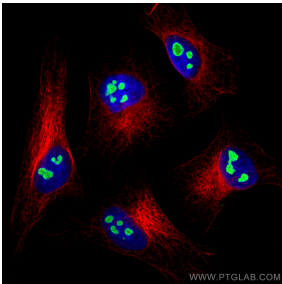
IP result of anti-NAT10 (IP:13365-1-AP, 4ug; Detection:13365-1-AP 1:8000) with mouse testis tissue lysate 1120 ug.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13365-1-AP (NAT10 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 13365-1-AP (NAT10 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NAT10 antibody (13365-1-AP) at dilution of 1:200 and Multi-Ab CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).