

For Research Use Only

# NOP16 Polyclonal antibody

Catalog Number: 31969-1-AP



## Basic Information

<b>Catalog Number:</b> 31969-1-AP	<b>GenBank Accession Number:</b> BC040106	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51491	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y3C1	<b>IF/ICC 1:200-1:800</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> NOP16 nucleolar protein homolog (yeast)	
<b>Immunogen Catalog Number:</b> AG36714	<b>Observed MW:</b> 23 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> A431 cells, Hela cells, K-562 cells, MCF-7 cells, Raji cells
	<b>IF/ICC :</b> A431 cells, MCF-7 cells

## Background Information

NOP16, also known as HSPC111, is found in the intracellular protein complex. It is a ribosomal protein that is transcriptionally regulated by the oncogene c-Myc. NOP16 may be involved in the completion of ribosome synthesis, therefore, reduced NOP16 expression in cancer cells may block many biological processes. Studies indicate that NOP16 is highly expressed in more than 20 types of cancers, including colorectal, breast, and hepatocellular carcinoma, and is an important target for clinical treatment of related diseases.

## Storage

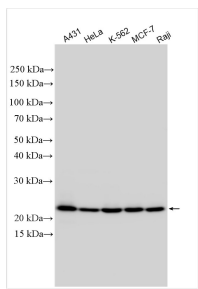
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

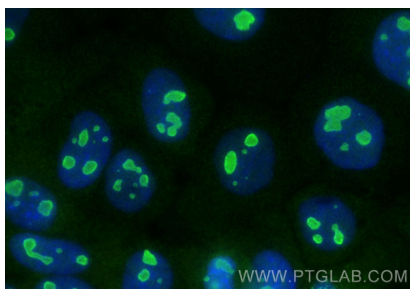
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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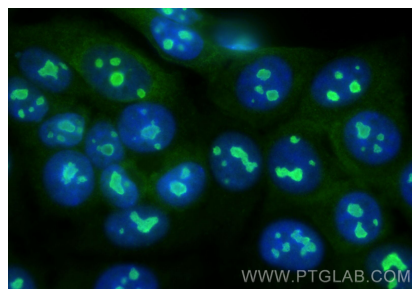
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31969-1-AP (NOP16 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using NOP16 antibody (31969-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using NOP16 antibody (31969-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).