

For Research Use Only

# NOL7 Polyclonal antibody, PBS Only

Catalog Number: 18424-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

18424-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13272

**GenBank Accession Number:**

BC023517

**GeneID (NCBI):**

51406

**UNIPROT ID:**

Q9UMY1

**Full Name:**

nucleolar protein 7, 27kDa

**Calculated MW:**

257 aa, 29 kDa

**Observed MW:**

38 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IF/ICC, Indirect ELISA

**Species Specificity:**

human

## Background Information

NOL7 (nucleolar protein 7) is localized in both the nucleolus and nucleoplasm, with its nucleolar localization being RNA-dependent. Its function in the nucleolus is likely related to maintaining nucleolar structure and cell growth, while its role in the nucleoplasm may be associated with anti-angiogenic effects. Additionally, NOL7 is involved in the accumulation of early pre-rRNA and the processing of pre-18S rRNA, which are crucial for maintaining nucleolar function and cell growth. The expression of NOL7 is regulated by various transcription factors, including c-myc and RXRa. In cervical cancer, NOL7 transcription is also positively regulated by the RB tumor suppressor gene. The NOL7 gene encodes three distinct splice variants, each with different intracellular localizations that may affect their functions.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

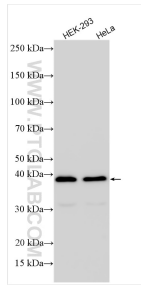
For technical support and original validation data for this product please contact:

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

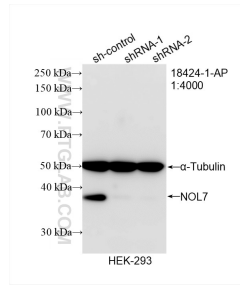
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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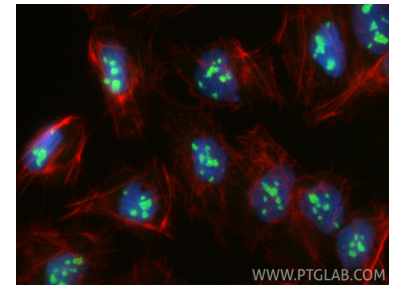
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18424-1-AP (NOL7 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18424-1-PBS in a different storage buffer formulation.



WB result of NOL7 antibody (18424-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NOL7 transfected HEK-293 cells. This data was developed using the same antibody clone with 18424-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using NOL7 antibody (18424-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 18424-1-PBS in a different storage buffer formulation.