

For Research Use Only

# NUPR1 Polyclonal antibody

Catalog Number: 15056-1-AP

Featured Product

9 Publications



## Basic Information

<b>Catalog Number:</b> 15056-1-AP	<b>GenBank Accession Number:</b> BC002434	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 26471	<b>Recommended Dilutions:</b> WB 1:300-1:600 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> nuclear protein 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 8 kDa	
<b>Immunogen Catalog Number:</b> AG7039	<b>Observed MW:</b> 8 kDa, 17 kDa, 38 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : LO2 cells, IHC : human colon cancer tissue, human prostate cancer tissue, human liver cancer tissue
<b>Cited Applications:</b> CoIP, IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> 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**

## Background Information

NUPR1, also named as COM1 and P8, is a small nuclear protein that is responsive to various stress stimuli. NUPR1 can be induced by hypoxia, oxidative stress, while the expression is low in physiological condition. It is associated with chemoresistance in multiple malignancies. The predicted MW of NUPR1 is 8 kDa and we also detect bands around 17 and 38 kDa, which are similar to the papers (PMID: 29130426, 27336713, 28694771, 22961798). NUPR1 was also found in a complex with ANXA2, TRIM21, YBX1, S100A9, HSPA8, HSPA9, HSPA4, HSPA5, and ESR1, suggesting that these proteins might play a role in its functional regulation (PMID: 33542201), and it can also form a complex with PADI4 and plays crucial functions in modulating DNA-repair, favoring metastasis, or facilitating citrullination of other proteins (PMID: 36858171).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yongjia Wang	36307402	Cell Death Discov	IHC, CoIP
Yizhi Zhan	36258210	BMC Med	WB, IHC, IF, CoIP
Lifeng Zhang	36468653	Cancer Med	WB, IHC

## Storage

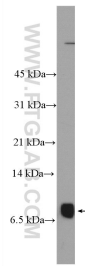
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

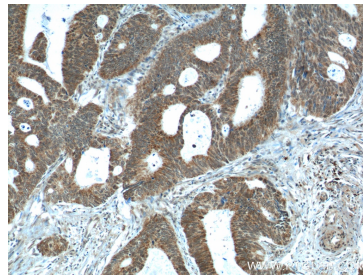
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

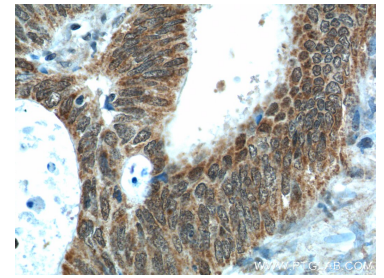
## Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 15056-1-AP (NUPR1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15056-1-AP (NUPR1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15056-1-AP (NUPR1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).