

NUPR1 Polyclonal antibody

Catalog Number: 15056-1-AP

Featured Product

9 Publications

Basic Information

Catalog Number:

15056-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7039

GenBank Accession Number:

BC002434

GeneID (NCBI):

26471

UNIPROT ID:

O60356

Full Name:

nuclear protein 1

Calculated MW:

8 kDa

Observed MW:

8 kDa, 17 kDa, 38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:300-1:600

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF, IHC, CoIP

Species Specificity:

human

Cited Species:

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

Positive Controls:

WB : L02 cells,

IHC : human colon cancer tissue, human prostate cancer tissue, human liver cancer tissue

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

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

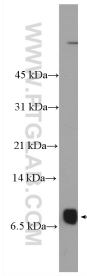
T: 4006900926

E: Proteintech-CN@ptglab.com

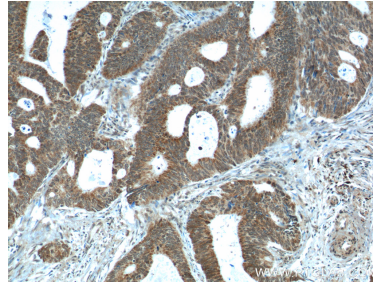
W: ptgcn.com

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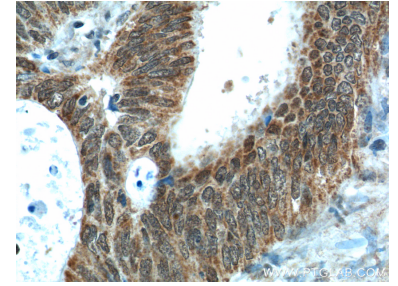
Selected Validation Data



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).