

For Research Use Only

# NUDT21 Polyclonal antibody

Catalog Number: 10322-1-AP

Featured Product

19 Publications



## Basic Information

### Catalog Number:

10322-1-AP

### Size:

150ul, Concentration: 300 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0393

### GenBank Accession Number:

BC001403

### GeneID (NCBI):

11051

### Full Name:

nudix (nucleoside diphosphate linked moiety X)-type motif 21

### Calculated MW:

26 kDa

### Observed MW:

26 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

ChIP, CoIP, IF, IHC, IP, WB

### Species Specificity:

human, mouse, rat

### 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: A431 cells, human brain tissue, HEK-293 cells, HeLa cells

IP: HeLa cells,

IHC: human cervical cancer tissue,

## Background Information

Cleavage and polyadenylation specific factor 5, 25 kDa (CPSF5, synonym: CFIM25) is one subunit of a cleavage factor required for 3' RNA cleavage and polyadenylation processing. The interaction of CPSF5 with the RNA is one of the earliest steps in the assembly of the 3' end processing complex and facilitates the recruitment of other processing factors.

## Notable Publications

| Author       | Pubmed ID | Journal     | Application |
|--------------|-----------|-------------|-------------|
| Byung Ran So | 31522989  | Mol Cell    | WB          |
| Junsuk Ko    | 31488543  | J Biol Chem | WB          |
| Xiao Yao     | 26330467  | EMBO J      | WB          |

## 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

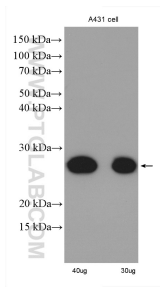
For technical support and original validation data for this product please contact:

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

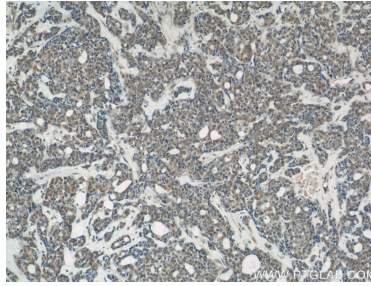
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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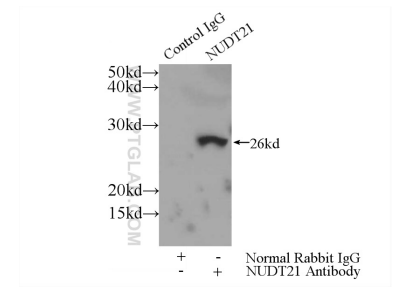
## Selected Validation Data



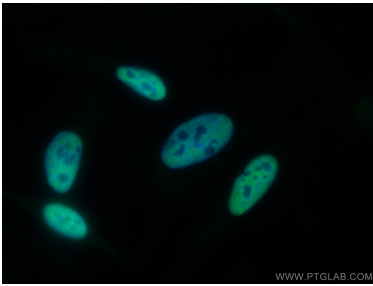
A431 cells were subjected to SDS PAGE followed by western blot with 10322-1-AP (NUDT21 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 10322-1-AP (NUDT21 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-NUDT21 (IP:10322-1-AP, 3ug; Detection:10322-1-AP 1:500) with HeLa cells lysate 3000ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NUDT21 antibody (10322-1-AP) at dilution of 1:100 and CoralLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).