

For Research Use Only

NUDT21 Polyclonal antibody

Catalog Number: 10322-1-AP

Featured Product

34 Publications



Basic Information

Catalog Number:

10322-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0393

GenBank Accession Number:

BC001403

GeneID (NCBI):

11051

UNIPROT ID:

O43809

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 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:1000-1:4000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, RIP

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 : HL-60 cells, NIH/3T3 cells, MCF-7 cells

IP : MCF-7 cells,

IHC : human colon cancer tissue,

IF/ICC : HeLa cells,

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 |
|--------------|-----------|-------------|-------------|
| Yong Zhu | 34660260 | Front Oncol | WB, IHC |
| Byung Ran So | 31522989 | Mol Cell | WB |
| Junsuk Ko | 31488543 | J Biol Chem | 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

*** 20ul sizes contain 0.1% BSA

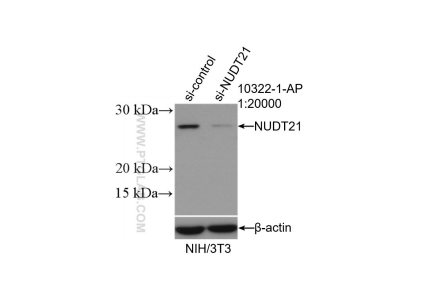
For technical support and original validation data for this product please contact:

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

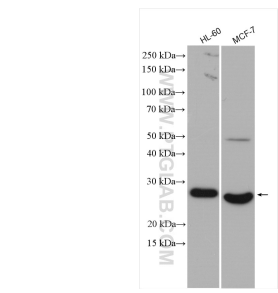
E: proteintech@ptglab.com
W: ptglab.com

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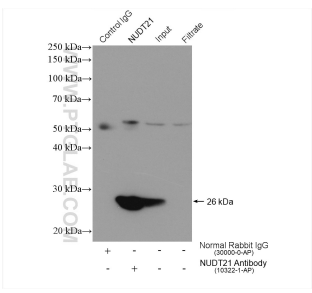
Selected Validation Data



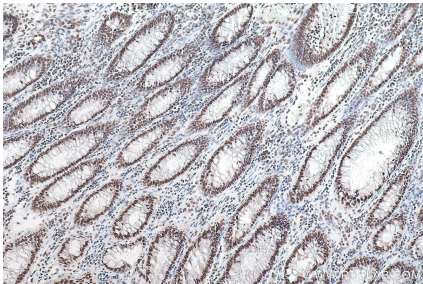
WB result of NUDT21 antibody (10322-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NUDT21 transfected NIH/3T3 cells.



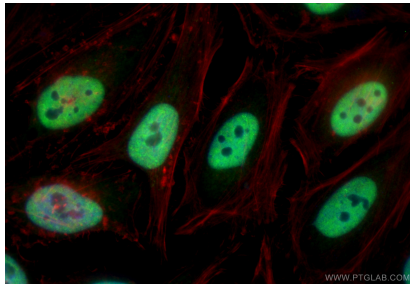
Various lysates were subjected to SDS PAGE followed by western blot with 10322-1-AP (NUDT21 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-NUDT21 (IP:10322-1-AP, 4ug; Detection:10322-1-AP 1:2000) with MCF-7 cells lysate 640 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10322-1-AP (NUDT21 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NUDT21 antibody (10322-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).