

For Research Use Only

# NUDT18 Polyclonal antibody, PBS Only

Catalog Number:17318-1-PBS



## Basic Information

Catalog Number:

17318-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11292

GenBank Accession Number:

BC016902

GeneID (NCBI):

79873

UNIPROT ID:

Q6ZVK8

Full Name:

nudix (nucleoside diphosphate linked moiety X)-type motif 18

Calculated MW:

323 aa, 36 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

IF/ICC, IP, Indirect ELISA

Species Specificity:

human

## Background Information

8-oxo-dGDP phosphatase NUDT18, also known as MTH3, belongs to the Nudix hydrolase family that eliminate potentially toxic nucleotide metabolites from the cell and regulate the concentrations and availability of various nucleotide substrates, cofactors, and signaling molecules (PMID: 35732208, 22556419). NUDT18 is specifically active against 8-oxo-dGDP and hardly cleaves 8-oxo-dGTP. NUDT18 is markedly elevated expression in noncancerous cell lines in comparison to cancerous counterpart, and NUDT18 deficient cells have been reported to exhibit a noticeably reduced proliferation rate (PMID: 38944687).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

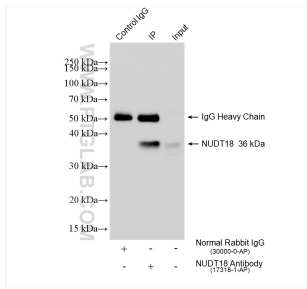
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

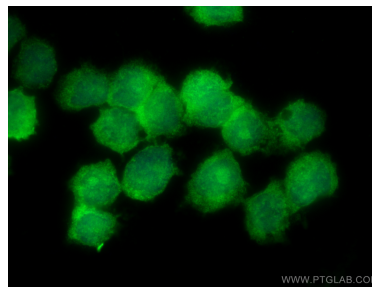
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



IP result of anti-NUDT18 (IP:17318-1-AP, 4 $\mu$ g; Detection:17318-1-AP 1:500) with THP-1 cells lysate 2480  $\mu$ g. This data was developed using the same antibody clone with 17318-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using NUDT18 antibody (17318-1-AP) at dilution of 1:400 and Multi-rAb CoraLite<sup>®</sup> Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 17318-1-PBS in a different storage buffer formulation.