

For Research Use Only

NUDT18 Polyclonal antibody

Catalog Number: 17318-1-AP



Basic Information

Catalog Number:

17318-1-AP

Size:

600 ug/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

Recommended Dilutions:

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

IF/ICC 1:200-1:800

Applications

Tested Applications:

IF/ICC, IP, ELISA

Species Specificity:

human

Positive Controls:

IP: THP-1 cells,

IF/ICC: THP-1 cells,

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 -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:

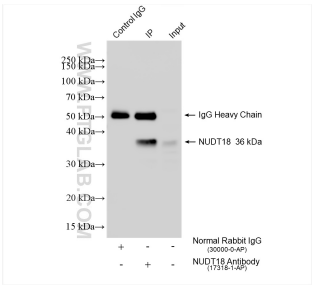
T: 4006900926

E: Proteintech-CN@ptglab.com

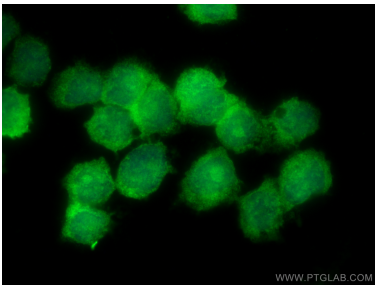
W: ptgcn.com

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Selected Validation Data



IP result of anti-NUDT18 (IP:17318-1-AP, 4ug; Detection:17318-1-AP 1:500) with THP-1 cells lysate 2480 ug.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using NUDT18 antibody (17318-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).