

For Research Use Only

UAP1 Polyclonal antibody

Catalog Number: 16318-1-AP **1 Publications**



Basic Information

Catalog Number:

16318-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9371

GenBank Accession Number:

BC009377

GeneID (NCBI):

6675

UNIPROT ID:

Q16222

Full Name:

UDP-N-acetylglucosamine
pyrophosphorylase 1

Calculated MW:

505 aa, 57 kDa

Observed MW:

57-59 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : DU 145 cells, PC-3 cells

IF : PC-3 cells,

Background Information

UAP1 can convert UTP and GlcNAc-1-P into UDP-GlcNAc, it can also convert UTP and GalNAc-1-P into UDP-GalNAc. There are three isoforms of UAP1, among which isoform AGX1 has 2 to 3 times higher activity towards GalNAc-1-P, while isoform AGX2 has 8 times more activity towards GlcNAc-1-P. It has been reported that UAP1 is specific and highly expressed in prostate cancer. UAP1 can protect cells against inhibitors of N-linked glycosylation. UAP1 may play an important role in maintaining INS responsiveness.

Notable Publications

Author	Pubmed ID	Journal	Application
Linhui Qin	31793297	J Agric Food 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

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

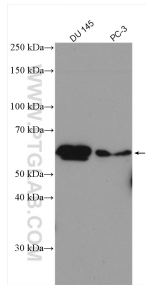
T: 4006900926

E: Proteintech-CN@ptglab.com

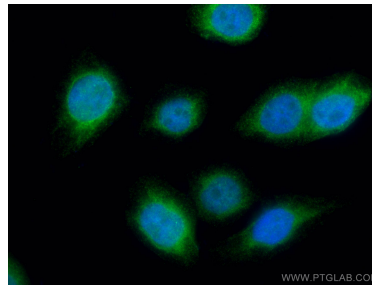
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16318-1-AP (UAP1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using UAP1 antibody (16318-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).