

For Research Use Only

UAP1 Polyclonal antibody

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



Basic Information

Catalog Number: 16318-1-AP	GenBank Accession Number: BC009377	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6675	Recommended Dilutions: WB 1:500-1:2000 IF 1:50-1:500
Source: Rabbit	Full Name: UDP-N-acetylglucosamine pyrophosphorylase 1	
Isotype: IgG	Calculated MW: 505 aa, 57 kDa	
Immunogen Catalog Number: AG9371	Observed MW: 57-59 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : DU 145 cells, PC-3 cells IF : PC-3 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

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

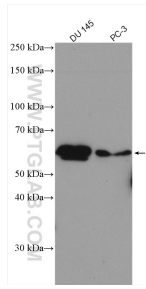
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

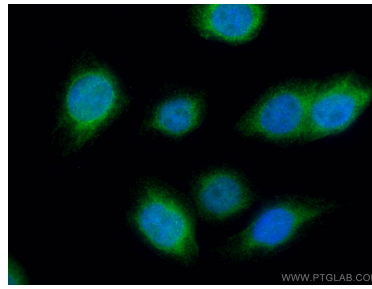
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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).