

For Research Use Only

UPF1 Polyclonal antibody

Catalog Number: 23379-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

23379-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16195

GenBank Accession Number:

BC039817

GeneID (NCBI):

5976

UNIPROT ID:

Q92900

Full Name:

UPF1 regulator of nonsense transcripts homolog (yeast)

Calculated MW:

123 kDa

Observed MW:

123-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Cited Applications:

WB, IF, RIP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: HeLa cells, Raji cells, SH-SY5Y cells

IP: Raji cells,

IF: HepG2 cells, MCF-7 cells

Background Information

Up-Frameshift Suppressor 1 Homolog (UPF1) is the central factor in nonsense-mediated mRNA decay (NMD) and is also directly involved in telomere homeostasis, DNA replication, histone mRNA degradation and staufen-mediated mRNA decay (PMID: 29382845). It is a potential modulator of MALAT1 and that UPF1/MALAT1 pathway could be a therapeutic target for gastric cancer (PMID: 28942451). The molecular mass of UPF1 is 123-130 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Benjamin L Zaepfel	33789100	Cell Rep	WB
Shihong Wu	35863742	Cell Mol Gastroenterol Hepatol	RIP
Pingfu Hou	31291975	J Exp Clin Cancer Res	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:

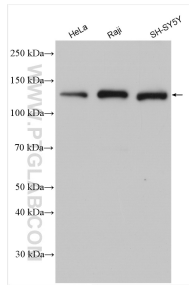
T: 4006900926

E: Proteintech-CN@ptglab.com

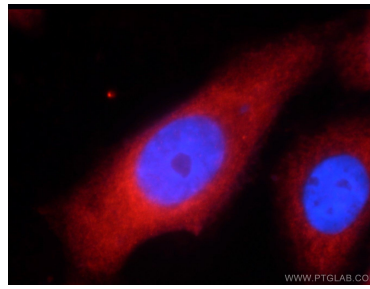
W: ptgcn.com

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

Selected Validation Data

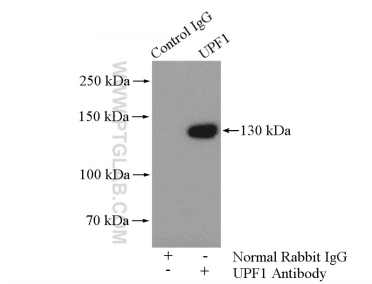


Various lysates were subjected to SDS PAGE followed by western blot with 23379-1-AP (UPF1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 23379-1-AP (UPF1 antibody) at dilution of 1:50 and Rhodamine-labeled goat anti-rabbit IgG (red).

Various lysates were subjected to SDS PAGE followed by western blot with 23379-1-AP (UPF1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-UPF1 (IP:23379-1-AP, 4ug; Detection:23379-1-AP 1:500) with Raji cells lysate 2000ug.