

For Research Use Only

UPF1 Polyclonal antibody

Catalog Number: 23379-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

23379-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

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 ug for 1.0-3.0 mg of total protein lysate

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, 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/ICC: 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

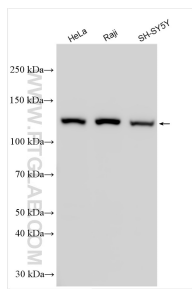
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

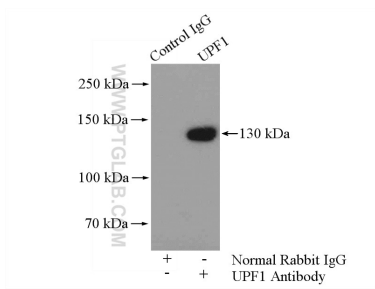
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W: ptglab.com

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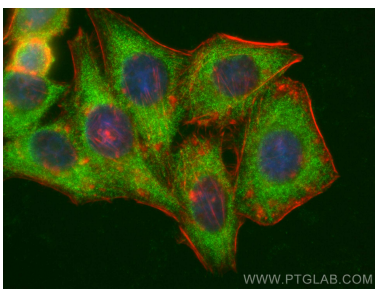
Selected Validation Data



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.



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



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using UPF1 antibody (23379-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).