

For Research Use Only

UPF1 Polyclonal antibody

Catalog Number: 23379-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number: 23379-1-AP	GenBank Accession Number: BC039817	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 5976	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:20-1:200
Source: Rabbit	Full Name: UPF1 regulator of nonsense transcripts homolog (yeast)	
Isotype: IgG	Calculated MW: 123 kDa	
Immunogen Catalog Number: AG16195	Observed MW: 123-130 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls: WB : HeLa cells, Raji cells, SH-SY5Y cells IP : Raji cells, IF : HepG2 cells, MCF-7 cells
Cited Applications: IF, RIP, WB	
Species Specificity: human	
Cited Species: human, mouse	

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

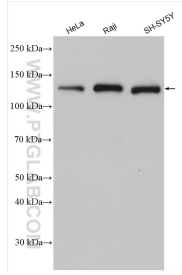
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

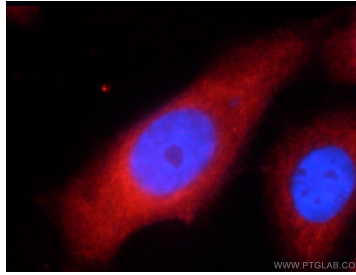
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data

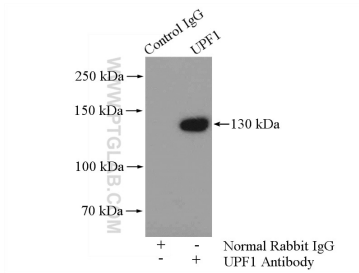


Various lysates were subjected to SDS PAGE followed by western blot with 23379-1-AP (UPF1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.