

For Research Use Only

UPF1 Recombinant antibody, PBS Only



Catalog Number: 82791-1-PBS

Basic Information

Catalog Number: 82791-1-PBS	GenBank Accession Number: BC039817	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5976	CloneNo.: 3015
Source: Rabbit	UNIPROT ID: Q92900	
Isotype: IgG	Full Name: UPF1 regulator of nonsense transcripts homolog (yeast)	
Immunogen Catalog Number: AG29057	Calculated MW: 123 kDa	
	Observed MW: 123-130 kDa	

Applications

Tested Applications:
Indirect ELISA, IF/ICC, WB

Species Specificity:
rat, human

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.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

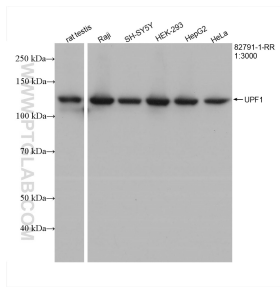
For technical support and original validation data for this product please contact:

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

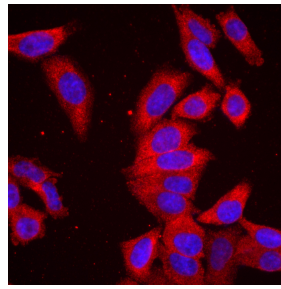
E: proteintech@ptglab.com
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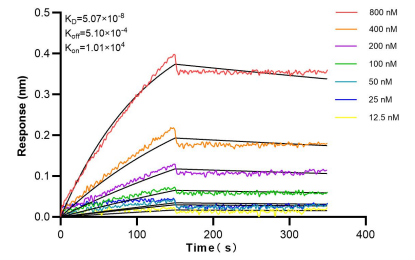
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82791-1-RR (UPF1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82791-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using UPF1 antibody (82791-1-RR, Clone: 3O15) at dilution of 1:370 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004). This data was developed using the same antibody clone with 82791-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82791-1-RR against Human UPF1 were performed. The affinity constant is 50.7 nM.