

For Research Use Only

UPF1 Recombinant antibody

Catalog Number: 82791-1-RR



Basic Information

Catalog Number:

82791-1-RR

Size:

100ul, Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29057

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:

Protein A purification

CloneNo.:

3015

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:185-1:740

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : rat testis tissue, Raji cells, SH-SY5Y cells, HEK-293 cells, HepG2 cells, HeLa cells

IF/ICC : HepG2 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.

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

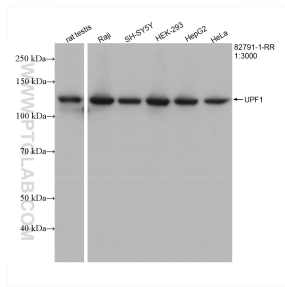
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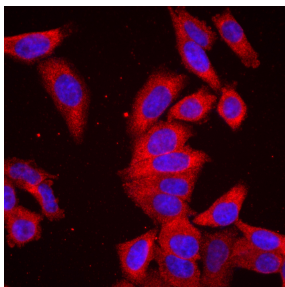
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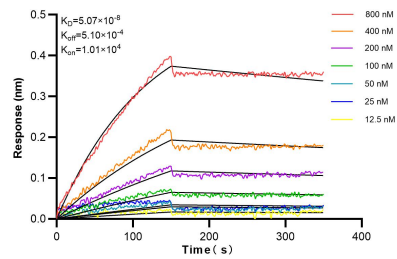
Selected Validation Data



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.



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).



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