

# UPF1 Rabbit Polyclonal Antibody



CAB1521

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

130kDa

### Calculated MW:

123kDa/124kDa

### Applications:

WB IF IP

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 -  
1:200 IP 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. mRNA surveillance detects exported mRNAs with truncated open reading frames and initiates nonsense-mediated mRNA decay (NMD). When translation ends upstream from the last exon-exon junction, this triggers NMD to degrade mRNAs containing premature stop codons. This protein is located only in the cytoplasm. When translation ends, it interacts with the protein that is a functional homolog of yeast Upf2p to trigger mRNA decapping. Use of multiple polyadenylation sites has been noted for this gene. Alternative splicing results in multiple transcript variants.

## Immunogen information

### Gene ID:

5976

### Uniprot

Q92900

### Synonyms:

UPF1; HUPF1; NORF1; RENT1; pNORF1; smg-2

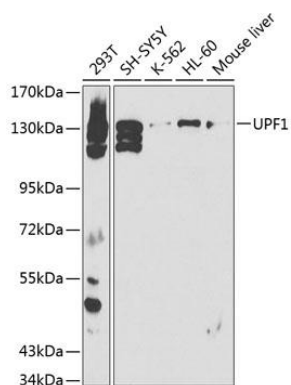
### Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 270-370 of human UPF1 (NP\_002902.2).

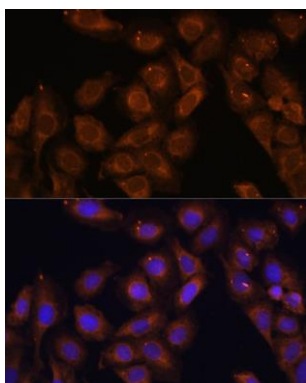
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

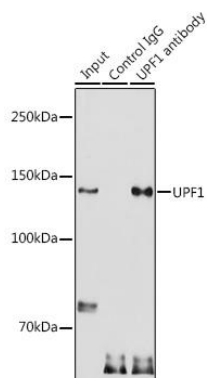
## Product Images



Western blot analysis of extracts of various cell lines, using UPF1 antibody (CAB1521) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of U-2 OS cells using UPF1 antibody (CAB1521) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug UPF1 antibody (CAB1521). Western blot was performed from the immunoprecipitate using UPF1 antibody (CAB1521) at a dilution of 1:1000.