

## UPF1 Antibody

Catalog No: #32298

Package Size: #32298-1 50ul #32298-2 100ul

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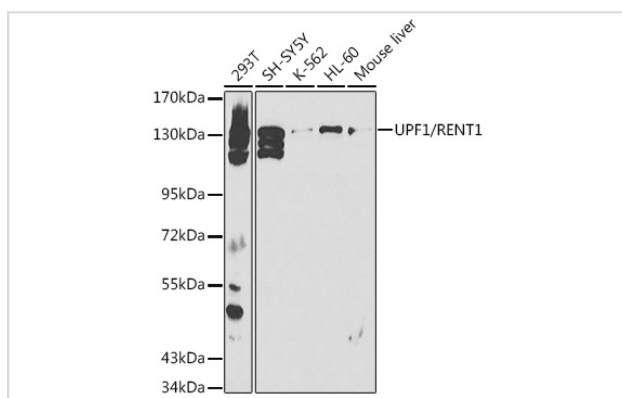
## Description

Product Name	UPF1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total UPF1 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human UPF1/RENT1 (NP_002902.2).
Target Name	UPF1
Other Names	UPF1;HUPF1;NORF1;RENT1;pNORF1;smg-2
Accession No.	Uniprot:Q92900GeneID:5976
SDS-PAGE MW	130kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

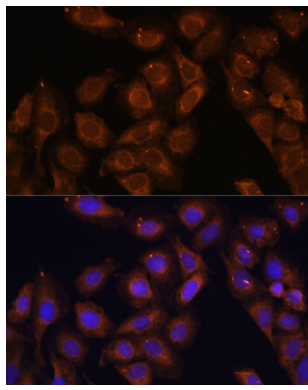
## Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

## Images



Western blot analysis of extracts of various cell lines, using UPF1/RENT1 antibody.



Immunofluorescence analysis of U-2 OS cells using UPF1/RENT1 antibody.

## 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.