

A5071

Leader in Biomolecular Solutions for Life Science



## UPF1/RENT1 Rabbit mAb

Catalog No.: A5071

Recombinant

5 Publications

### Basic Information

#### Observed MW

140kDa

#### Calculated MW

124kDa

#### Category

SMab Recombinant Monoclonal  
Antibody

#### Applications

WB,IF/ICC,IP,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC1268

### 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.

### Recommended Dilutions

**WB** 1:1000 - 1:6000

**IF/ICC** 1:50 - 1:200

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts  
of whole cells

**ELISA** Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

### Immunogen Information

#### Gene ID

5976

#### Swiss Prot

Q92900

#### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

#### Synonyms

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

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

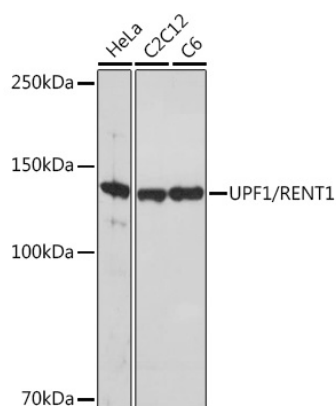
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

### Contact

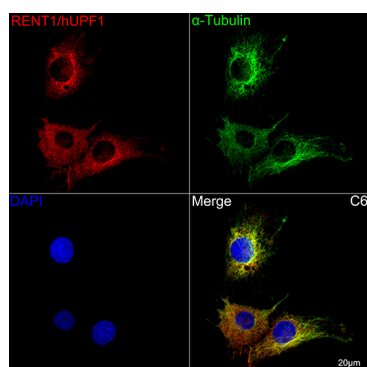


[www.abclonal.com](http://www.abclonal.com)

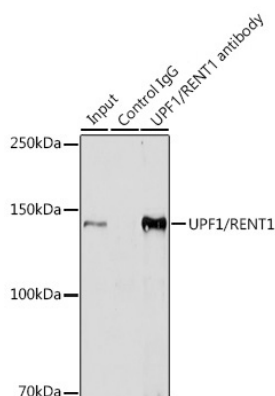
## Validation Data



Western blot analysis of various lysates using UPF1/RENT1 Rabbit mAb (A5071) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 10s.



Confocal imaging of C6 cells using UPF1/RENT1 Rabbit mAb (A5071, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg UPF1/RENT1 Rabbit mAb (A5071). Western blot was performed from the immunoprecipitate using UPF1/RENT1 Rabbit mAb (A5071) at a dilution of 1:1000.