

Datasheet for ABIN3043955  
**anti-RENT1/UPF1 antibody (Middle Region)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	RENT1/UPF1 (UPF1)
Binding Specificity:	AA 578-614, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Regulator of nonsense transcripts 1(UPF1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human RENT1/hUPF1 (578-614aa NMDSMPQLKLQKLKDETGE LSSADEKRYRALKRT AE), identical to the related mouse and rat sequences.
Sequence:	NMDSMPQLKLQKLKDETGE LSSADEKRYR ALKRT
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Regulator of nonsense transcripts 1(UPF1) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: UPF1 regulator of nonsense transcripts homolog (yeast) Protein Name: Regulator of nonsense transcripts 1

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: RENT1/UPF1 (UPF1)

Alternative Name: UPF1 ([UPF1 Products](#))

Background: Regulator of nonsense transcripts 1 is a protein that in humans is encoded by the UPF1 gene. 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. And 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.

Synonyms: ATP dependent helicase RENT1 antibody|ATP-dependent helicase RENT1 antibody|Delta helicase antibody|FLJ43809 antibody|FLJ46894 antibody|HUPF 1 antibody|hUpf1 antibody|KIAA0221 antibody|Nonsense mRNA reducing factor 1 antibody|NORF 1 antibody|NORF1 antibody| pNORF 1 antibody|pNORF1 antibody|Regulator of nonsense transcripts 1 antibody|RENT 1 antibody|RENT1 antibody|RENT1\_HUMAN antibody|Smg 2 antibody|Smg 2 homolog nonsense mediated mRNA decay factor antibody|UP Frameshift 1 antibody|Up frameshift mutation 1 homolog (S. cerevisiae) antibody|Up frameshift mutation 1 homolog antibody|Up frameshift suppressor 1 homolog antibody|Up-frameshift suppressor 1 homolog antibody|UPF 1 antibody|UPF 1 regulator of nonsense transcripts homolog antibody|upf1 antibody|UPF1 regulator of nonsense transcripts homolog antibody|Yeast Upf1p homolog antibody

Gene ID: 5976

UniProt: [Q92900](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by

## Application Details

Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

Notes: Tested Species: Species with positive results. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Sodium azide.

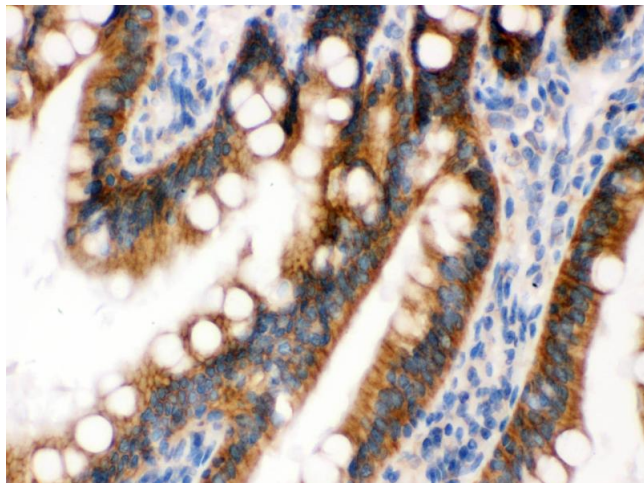
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

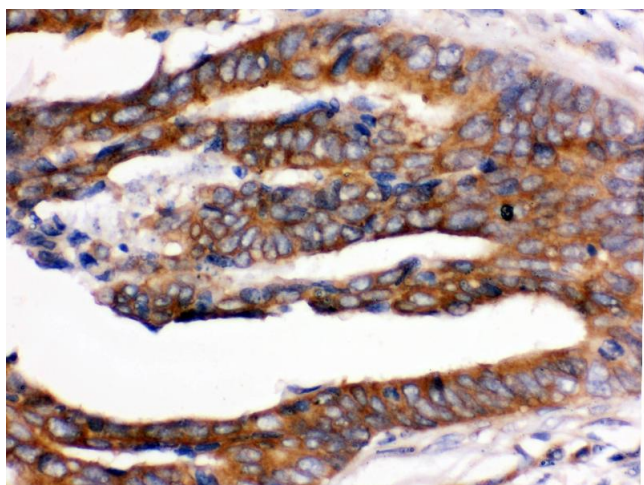
Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



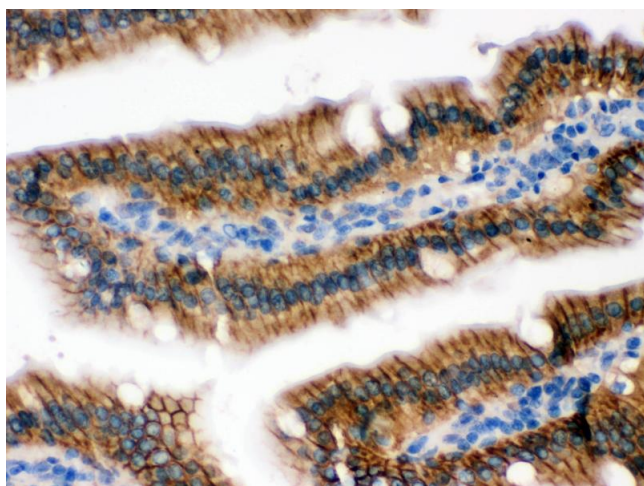
Immunohistochemistry (Paraffin-embedded Sections)

Image 1.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043955.