

Datasheet for ABIN7602979

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

Overview

Quantity:	100 µg
Target:	RENT1/UPF1 (UPF1)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RENT1/UPF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-RENT1/hUPF1 Antibody Picoband® (monoclonal, 11E7)
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human RENT1/hUPF1, identical to the related mouse and rat sequences.
Clone:	11E7
Isotype:	IgG2b
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RENT1/hUPF1 Antibody Picoband® (monoclonal, 11E7) (ABIN7602979). Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing

Product Details

antibodies are designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: RENT1/UPF1 (UPF1)

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

Background: 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

Tissue Specificity: Ubiquitous.

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.

Molecular Weight: 130 kDa

Gene ID: 5976

UniProt: [Q92900](#)

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

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human 1. "Entrez Gene: UPF1 UPF1 regulator of nonsense transcripts homolog (yeast)". 2. Applequist SE, Selg M, Raman C, Jack HM (March 1997). "Cloning and characterization of HUPF1, a human homolog of the Saccharomyces cerevisiae nonsense mRNA-reducing UPF1 protein". Nucleic Acids Res 25 (4): 814-21. 3. Perlick HA, Medghalchi SM, Spencer FA, Kendzior RJ Jr, Dietz HC (November 1996). "Mammalian orthologues of a yeast regulator of nonsense transcript stability". Proc Natl Acad Sci U S A 93 (20): 10928-32.
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Restrictions:	For Research Use only
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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 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.