

Rabbit anti-Human UPF1 Polyclonal Antibody | anti-UPF1 antibody

UPF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303563	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

UPF1; Polyclonal Antibody; UPF1 Antibody; FLJ43809; FLJ46894; HUPF1; KIAA0221; NORF1; anti-UPF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total UPF1 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1129
Applicable Applications for anti-UPF1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human UPF1.
Target Name	UPF1
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using UPF1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-UPF1 antibody	Upf1 was identified as an active component in nonsense-mediated decay (NMD), an mRNA surveillance mechanism in eukaryotic cells that degrades mRNAs containing premature termination codons (1). Upf1 was found to be an ATP-dependent RNA helicase in the cytoplasm (2) and was later shown to be a component of cytoplasmic P-bodies (3). Upf1 phosphorylation mediates the repression of translation that accompanies NMD, allowing mRNA accessibility to the NMD machinery (4). Two other active components of NMD, Upf2 and Upf3, were also identified and described as having perinuclear and nucleocytoplasmic localization, respectively (5).
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Product Categories/Family for anti-UPF1 antibody	Total protein Ab
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NCBI AND UNIPROT INFORMATION

NCBI GI #	662033888
NCBI GeneID	5976
NCBI Accession #	NP_001284478.1
NCBI GenBank Nucleotide #	NM_001297549.1
UniProt Accession #	Q92900; O00239; O43343; Q86Z25; Q92842
Molecular Weight	123,036 Da
NCBI Official Full Name	regulator of nonsense transcripts 1 isoform 1
NCBI Official Synonym Full Names	UPF1 regulator of nonsense transcripts homolog (yeast)
NCBI Official Symbol	UPF1
NCBI Official Synonym Symbols	HUPF1; NORF1; RENT1; smg-2; pNORF1
NCBI Protein Information	regulator of nonsense transcripts 1
UniProt Protein Name	Regulator of nonsense transcripts 1
UniProt Gene Name	UPF1
UniProt Synonym Gene Names	KIAA0221; RENT1; NORF1; hUpf1
UniProt Entry Name	RENT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.