

Rabbit UPF1 Polyclonal Antibody | anti-UPF1 antibody

UPF1 antibody - middle region

CATALOG # AAA198068	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish	APPLICATIONS Immunohistochemistry, Western Blot
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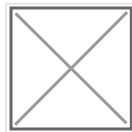
PRODUCT SYNONYMS

UPF1; Polyclonal Antibody; UPF1 antibody - middle region; anti-UPF1 antibody

PRODUCT SPECIFICATIONS

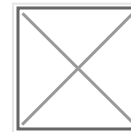
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: RG TPKGKTGRGG RQKNRFG LPG PSQTNLPNSQ ASQDVASQPF SQGALTQG
Sequence Length	1118
Applicable Applications for anti-UPF1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 79%; Horse: 93%; Human: 100%; Mouse: 93%; Rat: 93%; Zebrafish: 83%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human UPF1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-UPF1 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:312500
Positive Control: Transfected 293T



IHC (Immunohistochemistry)

Rabbit Anti-UPF1 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human heart
Tissue
Observed Staining: Cytoplasmic, nucleus
Primary Antibody Concentration: 1:1000
Other Working Concentrations: N/A
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-UPF1 antibody	This is a rabbit polyclonal antibody against UPF1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: UPF1 is 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. UPF1 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.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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-UPF1 antibody	Polyclonal; RNA Binding Proteins; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; DNA Repair

NCBI AND UNIPROT INFORMATION

NCBI GI #	18375673
NCBI GeneID	5976
NCBI Accession #	NP_002902
NCBI GenBank Nucleotide #	NM_002911
UniProt Accession #	Q92900
Molecular Weight	123kDa
NCBI Official Full Name	regulator of nonsense transcripts 1 isoform 2
NCBI Official Synonym Full Names	UPF1 RNA helicase and ATPase
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.