

Product datasheet for **TA341559**

UPF1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-UPF1 antibody: synthetic peptide directed towards the middle region of human UPF1. Synthetic peptide located within the following region: RGTPKGTGRGGRQKNRFGPLGPSQTNLPNSQASQDVASQPFSQGALTQG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	123 kDa
Gene Name:	UPF1, RNA helicase and ATPase
Database Link:	NP_002902 Entrez Gene 5976 Human Q92900



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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. [provided by RefSeq, Jul 2014]

Synonyms:

HUPF1; NORF1; pNORF1; RENT1; smg-2

Note:

Immunogen Sequence Homology: Dog: 100%; Human: 100%; Bovine: 100%; Rat: 93%; Horse: 93%; Mouse: 93%; Zebrafish: 83%; Pig: 79%; Guinea pig: 79%

Protein Families:

Druggable Genome

Product images:

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