

Product datasheet for **TA343972**

UPF3B 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-UPF3B antibody: synthetic peptide directed towards the middle region of human UPF3B. Synthetic peptide located within the following region: KIDRIPERDKLKDEPKIKVHRFLLQAVNQKNLLKKPEKGDEKELDKREKA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	UPF3 regulator of nonsense transcripts homolog B (yeast)
Database Link:	NP_542199 Entrez Gene 65109 Human Q9BZ17



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Background:

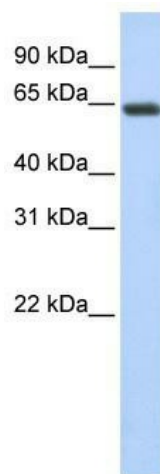
UPF3B is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. The protein is one of two functional homologs to yeast Upf3p. This protein binds to the mRNA and remains bound after nuclear export, acting as a nucleocytoplasmic shuttling protein. It forms with Y14 a complex that binds specifically 20 nt upstream of exon-exon junctions. This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. The encoded protein is one of two functional homologs to yeast Upf3p. 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 binds to the mRNA and remains bound after nuclear export, acting as a nucleocytoplasmic shuttling protein. It forms with Y14 a complex that binds specifically 20 nt upstream of exon-exon junctions. This gene is located on the long arm of chromosome X. Two splice variants encoding different isoforms have been found for this gene.

Synonyms:

HUPF3B; MRX62; MRXS14; RENT3B; UPF3BP1; UPF3BP2; UPF3BP3; Upf3p-X; UPF3X

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Rabbit: 100%; Mouse: 93%

Product images:

WB Suggested Anti-UPF3B Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: Human heart