

Datasheet for ABIN2776563

anti-UPF3B antibody (N-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	UPF3B
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UPF3B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human UPF3B
Sequence:	MKEEKEHRPK EKRVTLLTPA GATGSGGGTS GDSSKGEDKQ DRNKEKKEAL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 93%, Pig: 93%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against UPF3B. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	UPF3B
Alternative Name:	UPF3B (UPF3B Products)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: UPF3X, HUPF3B, MRXS14, RENT3B</p> <p>Protein Interaction Partner: NCBP1, CIAO1, STAU1, UBC, UPF1, HECW2, RBM8A, UPF2, SMG1, EIF4A3, WIBG, WBP11, RNPS1, SART1, TOP2A, SNRPA1, NXF1, CAND1, COPS5, CUL5, USP21, EXOSC4, MCRS1, XRN1, TTC19, EIF6, UPF3B, HBB, UPF3A,</p> <p>Protein Size: 470</p>
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Molecular Weight:	52 kDa
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Gene ID:	65109
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NCBI Accession:	NM_023010 , NP_075386
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UniProt:	Q9BZ17
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 470 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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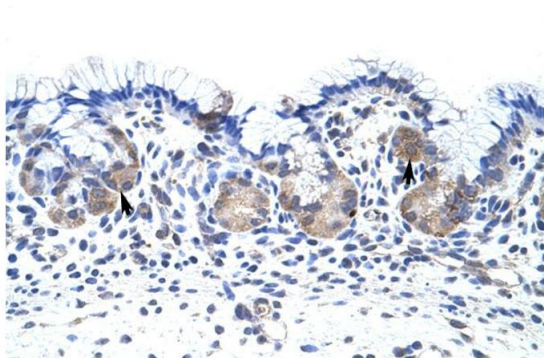
Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Braun, Sponder, Pieper, Aschenbach, Deiner: "GABA selectively increases mucin-1 expression in isolated pig jejunum." in: Genes & nutrition , Vol. 10, Issue 6, pp. 47, (2015) (PubMed).
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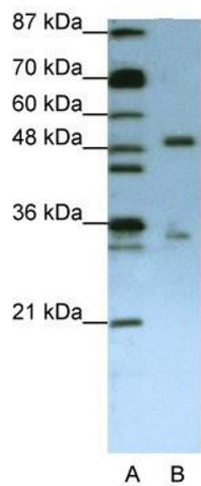
Images



Rabbit Anti-UPF3B Antibody
Catalog Number: ARP40998
Lot Number: QC9768
Paraffin Embedded Tissue: Human Stomach
Cells with Positive label: Epithelial cells of fundic gland (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 1. Rabbit Anti-UPF3B Antibody Paraffin Embedded Tissue: Human Stomach Cellular Data: Epithelial cells of fundic gland Antibody Concentration: 4.0-8.0 µg/ml Magnification: 400X



Western Blotting

Image 2. WB Suggested Anti-UPF3B Antibody Titration:
1.25ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate