

Datasheet for ABIN3043956
anti-UPF3B antibody (C-Term)



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4 Images

1 Publication

Overview

Quantity:	100 µg
Target:	UPF3B
Binding Specificity:	AA 416-452, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UPF3B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Regulator of nonsense transcripts 3B(UPF3B) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human UPF3B /RENT3B (416-452aa SEKTEKKEEVVKRDRIRNKDRPAMQLYQPGARSRNRL).
Sequence:	SEKTEKKEEV VKRDRIRNKD RPAMQLYQPG ARSRNRL
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Regulator of nonsense transcripts 3B(UPF3B) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: UPF3 regulator of nonsense transcripts homolog B (yeast) Protein Name: Regulator of nonsense transcripts 3B

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: UPF3B

Alternative Name: UPF3B ([UPF3B Products](#))

Background: Regulator of nonsense transcripts 3B is a protein that in humans is encoded by the UPF3B gene. 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 antibody|hUpf3p X antibody|MRXS14 antibody|Nonsense mRNA reducing factor 3B antibody|Regulator of nonsense transcripts 3B antibody|RENT3B antibody|Up-frameshift suppressor 3 homolog B antibody|Up-frameshift suppressor 3 homolog on chromosome X antibody| UPF3 regulator of nonsense transcripts homolog B (yeast) antibody|UPF3 regulator of nonsense transcripts homolog B antibody|UPF3B antibody|UPF3X antibody

Gene ID: 65109

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Application Details

ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

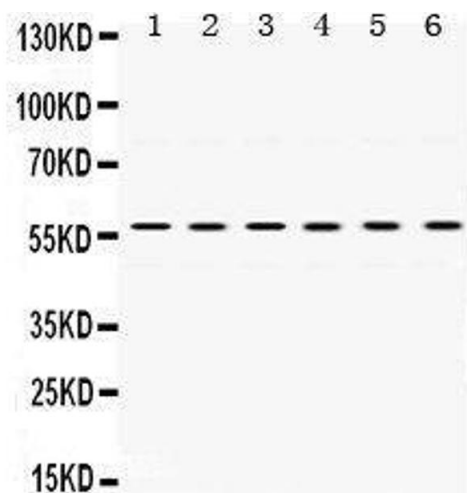
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

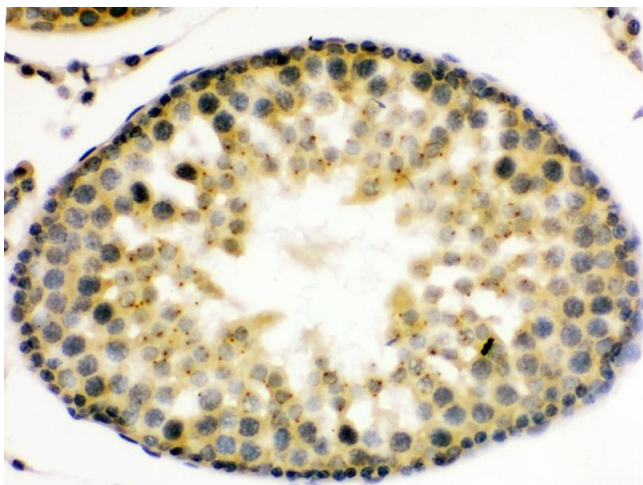
Publications

Product cited in: Huang, Low, Damle, Keenan, Kuntz, Murray, Monia, Guo: "Antisense suppression of the nonsense mediated decay factor Upf3b as a potential treatment for diseases caused by nonsense mutations." in: **Genome biology**, Vol. 19, Issue 1, pp. 4, (2018) ([PubMed](#)).



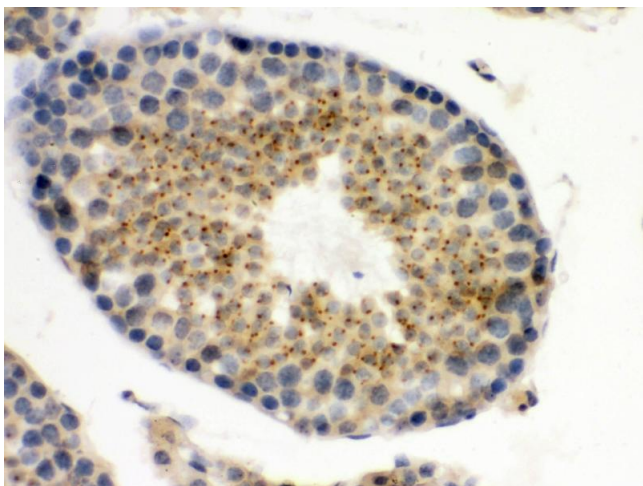
Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- UPF3B/RENT3B Picoband antibody, IHC(P)
IHC(P): Rat Testis Tissue



Immunohistochemistry

Image 3. Anti- UPF3B/RENT3B Picoband antibody, IHC(P)
IHC(P): Mouse Testis Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043956.