

Datasheet for ABIN3043956
anti-UPF3B antibody (C-Term)[4 Images](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	UPF3B
Binding Specificity:	AA 416-452, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
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
Purification:	Immunogen affinity purified.

Target Details

Target:	UPF3B
Alternative Name:	UPF3B (UPF3B Products)
Background:	<p>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.</p> <p>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</p>
Gene ID:	65109

Application Details

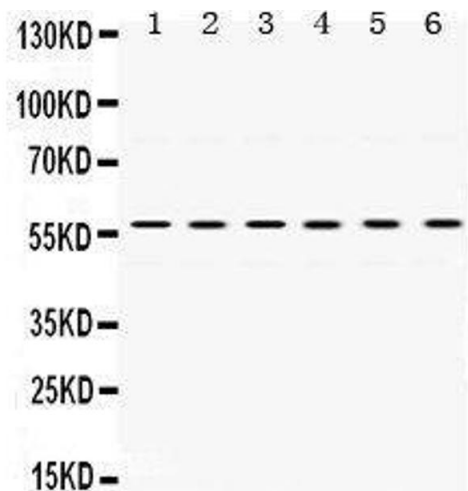
Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by 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 Na ₂ HPO ₄ , 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.

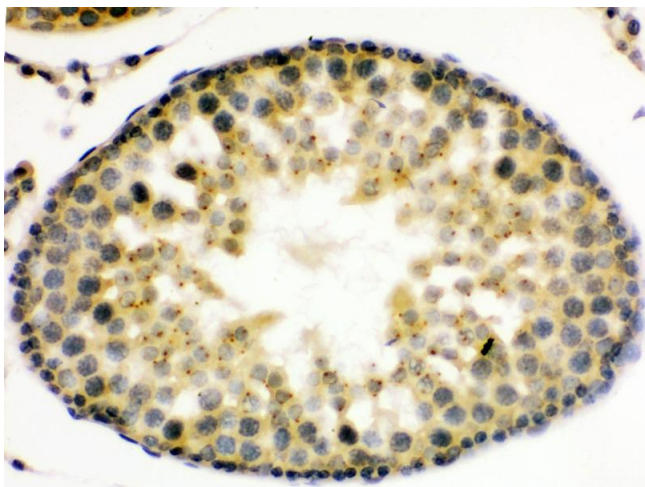
Publications

Product cited in:	<p>Lang, Schulte, Goddard, Hedrick, Schulte, Wei, Schmiedt: "Transplantation of mouse embryonic stem cells into the cochlea of an auditory-neuropathy animal model: effects of timing after injury." in: Journal of the Association for Research in Otolaryngology : JARO, Vol. 9, Issue 2, pp. 225-40, (2008) (PubMed).</p> <p>Lang, Ebihara, Schmiedt, Minamiguchi, Zhou, Smythe, Liu, Ogawa, Schulte: "Contribution of bone marrow hematopoietic stem cells to adult mouse inner ear: mesenchymal cells and fibrocytes." in: The Journal of comparative neurology, Vol. 496, Issue 2, pp. 187-201, (2006) (PubMed).</p>
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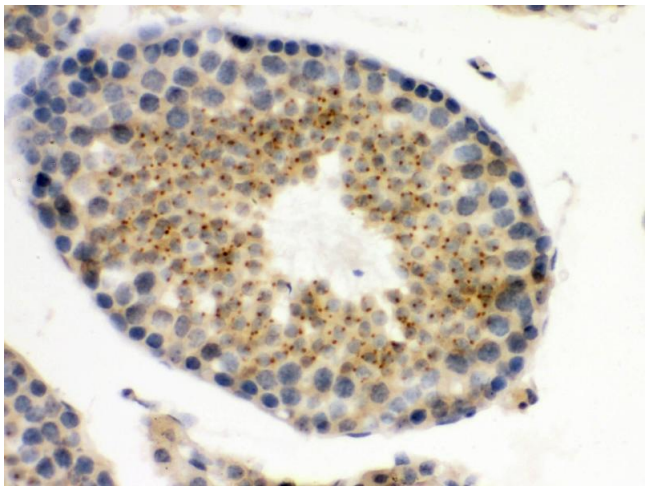
Western Blotting

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.