

Anti-UPF3B/RENT3B Antibody Picoband® FITC Conjugated

Catalog Number: PB9843-FITC

About UPF3B

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.

Overview

Product Name	Anti-UPF3B/RENT3B Antibody Picoband® FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9BZ17

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human UPF3B /RENT3B.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: , Antisense suppression of the nonsense mediated decay factor Upf3b as a potential treatment for diseases caused by nonsense mutations

2. PubMed ID: 29334995, Huang L, Low A, Damle SS, Keenan MM, Kuntz S, Murray SF, Monia BP, Guo S. Genome Biol. 2018 Jan 15;19(1):4. doi: 10.1186/s13059-017-1386-9. Antisense suppression of the nonsense mediated decay factor Upf3b as a potential treatment for diseases cau...

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