

Datasheet for ABIN7601625  
**anti-UPF3A antibody (AA 4-452)**



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## Overview

Quantity:	100 µg
Target:	UPF3A
Binding Specificity:	AA 4-452
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UPF3A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

## Product Details

Purpose:	Anti-UPF3A Antibody Picoband®
Immunogen:	E.coli-derived human UPF3A recombinant protein (Position: E4-E452).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-UPF3A Antibody Picoband® (ABIN7601625). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	UPF3A
Alternative Name:	UPF3A ( <a href="#">UPF3A Products</a> )
Background:	<p>Synonyms: Disintegrin and metalloproteinase domain-containing protein 2,ADAM 2,Cancer/testis antigen 15,CT15,Fertilin subunit beta,PH-30,PH30,PH30-beta,ADAM2,FTNB,</p> <p>Tissue Specificity: Expressed specifically in spermatogenic cells in the seminiferous cells. Not detected in fetal tissues.</p> <p>Background: Regulator of nonsense transcripts 3A is a protein that in humans is encoded by the UPF3A 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 13. Several splice variants encoding different isoforms have been found for this gene.</p>
Molecular Weight:	51 kDa
Gene ID:	65110
UniProt:	<a href="#">Q9H1J1</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Chan, W.-K., Bhalla, A. D., Le Hir, H., Nguyen, L. S., Huang, L., Gecz, J., Wilkinson, M. F. A UPF3-mediated regulatory switch that maintains RNA surveillance. Nature Struct. Molec. Biol. 16: 747-753, 2009. 2. Gross, M. B. Personal Communication. Baltimore, Md. 2/28/2011. 3. Kim, V. N., Kataoka, N., Dreyfuss, G. Role of the nonsense-mediated decay factor hUpf3 in the splicing-dependent exon-exon junction complex. Science 293: 1832-1836, 2001.</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 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.01 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.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.