




Product datasheet

Anti-UPF3B/RENT3B antibody ab134566

[2 References](#) [2 Images](#)

Overview

Product name	Anti-UPF3B/RENT3B antibody
Description	Rabbit polyclonal to UPF3B/RENT3B
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee, Rhesus monkey, Gorilla, Bat 
Immunogen	Synthetic peptide corresponding to Human UPF3B/RENT3B aa 300-400. Database link: Q9BZ17  Run BLAST with  Run BLAST with
Positive control	HeLa, 293T and Jurkat whole cell lysate (ab7899).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate pH 7 to 8.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab134566 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 58 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

Function

Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons by associating with the nuclear exon junction complex (EJC) and serving as link between the EJC core and NMD machinery. Recruits UPF2 at the cytoplasmic side of the nuclear envelope and the subsequent formation of an UPF1-UPF2-UPF3 surveillance complex (including UPF1 bound to release factors at the stalled ribosome) is believed to activate NMD. In cooperation with UPF2 stimulates both ATPase and RNA helicase activities of UPF1. Binds spliced mRNA upstream of exon-exon junctions. In vitro, stimulates translation; the function is independent of association with UPF2 and components of the EJC core.

Tissue specificity

Expressed in testis, uterus, prostate, heart, muscle, brain, spinal cord and placenta.

Involvement in disease

Mental retardation, X-linked, syndromic, 14

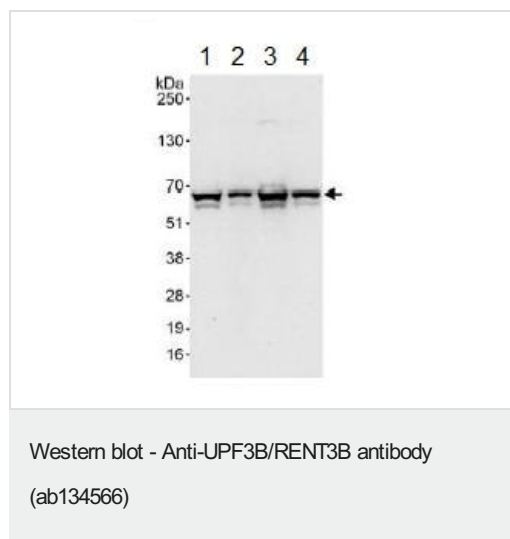
Sequence similarities

Belongs to the RENT3 family.

Cellular localization

Nucleus. Cytoplasm. Shuttling between the nucleus and the cytoplasm.

Images



All lanes : Anti-UPF3B/RENT3B antibody (ab134566) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

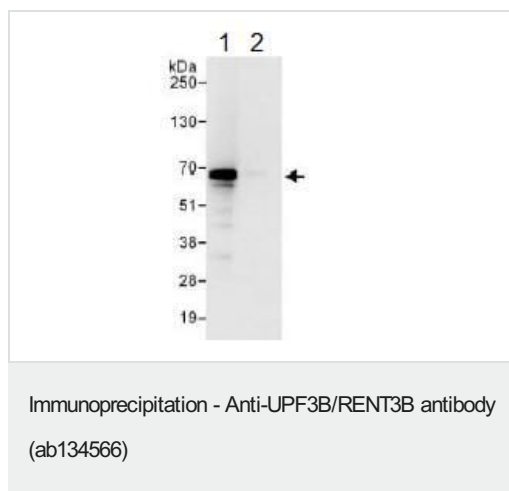
Lane 3 : 293T whole cell lysate at 50 µg

Lane 4 : Jurkat whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 58 kDa

Exposure time: 10 seconds



Detection of UPF3B/RENT3B by Western Blot of Immunoprecipitate. Immunoprecipitation of HeLa whole cell lysate using ab134566 at 6µg/mg lysate (1 mg/IP; 20% of IP loaded/lane) followed by detection of UPF3B/RENT3B with ab134566 at 1µg/ml. The lysate in lane 2 is precipitated with an IgG control antibody. Detection: Chemiluminescence with exposure time of 3 seconds.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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