


Product datasheet

Anti-UPF3B/RENT3B antibody ab42731

Overview

Product name Anti-UPF3B/RENT3B antibody
Description Rabbit polyclonal to UPF3B/RENT3B

 **This product is a [fast track antibody](#). It has been affinity purified and shows high titre values against the immunizing peptide by ELISA.**

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Host species Rabbit

Species reactivity

Predicted to work with: Cow, Human 

Immunogen Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human UPF3B/RENT3B. Read Abcam's proprietary immunogen policy (Peptide available as [ab45333](#).)

Properties

Form Liquid

Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer Preservative: 0.02% Sodium Azide
 Constituents: 1% BSA, PBS, pH 7.4

Purity Immunogen affinity purified

Clonality Polyclonal

Isotype IgG

Applications

Application notes This antibody gave a positive result in ELISA against the immunizing peptide ([ab45333](#)). Not yet tested in other applications.

Target

Relevance UPF3B is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and

mRNA surveillance. 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. UPF3B 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 (referenced from entrez gene).

Cellular localization

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

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