

Datasheet for ABIN2462297

anti-UPF3B antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	UPF3B
Reactivity:	Human, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UPF3B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human UPF3B.
Purification:	Antibody is purified by protein A chromatography method.

Target Details

Target:	UPF3B
Alternative Name:	UPF3B (UPF3B Products)
Background:	UPF3B is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. The protein is one of two functional homologs to yeast Upf3p. 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 junctionsThis gene encodes a protein that is part of a post-splicing

Target Details

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.

Molecular Weight: 52 kDa, 58 kDa

Gene ID: 65109

NCBI Accession: [NP_075386](#)

UniProt: [Q9BZ17](#)

Application Details

Application Notes: UPF3B antibody can be used for detection of UPF3B by ELISA at 1:312500. UPF3B antibody can be used for detection of UPF3B by western blot at 1.25 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL.

Concentration: 1 mg/mL

Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store UPF3B antibody at -20 °C.



Western Blotting

Image 1.