

Datasheet for ABIN2779085

anti-RENT2/UPF2 antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	RENT2/UPF2 (UPF2)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Horse, Cow, Pig, Dog, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RENT2/UPF2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human UPF2
Sequence:	KAPEDKKKRL EDDKRKKEDK ERKKKDEEKV KAEESKKKE EEEKKKHQEE
Predicted Reactivity:	Cow: 93%, Dog: 93%, Horse: 86%, Human: 100%, Mouse: 86%, Pig: 93%, Rat: 86%, Yeast: 86%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against UPF2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	RENT2/UPF2 (UPF2)
Alternative Name:	UPF2 (UPF2 Products)

Target Details

Background:	<p>This gene encodes a protein that 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. This protein is located in the perinuclear area. It interacts with translation release factors and the proteins that are functional homologs of yeast Upf1p and Upf3p. Two splice variants have been found for this gene, both variants encode the same protein.</p> <p>Alias Symbols: DKFZp434D222, HUPF2, KIAA1408, MGC138834, MGC138835, RENT2, smg-3</p> <p>Protein Interaction Partner: PUF60, UBC, UPF1, LGR4, MIF, LDHA, KRT18, ITGB1, HMGA1, ZBTB48, HBZ, ENO1, E4F1, CYBA, CALR, BLM, ATP1B3, ART4, DCP1B, DCP2, COMTD1, EXOSC6, GADD45GIP1, ZGPAT, MAP1LC3B, ZNF408, CENPU, WNK1, RSR2, MRPL40, ZNF44, EXOSC1, MTERF3, GLTSCR2, NOB1, RRP7A, SERB</p> <p>Protein Size: 1272</p>
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Molecular Weight:	148 kDa
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Gene ID:	26019
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NCBI Accession:	NM_015542 , NP_056357
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UniProt:	Q9HAU5
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 1272 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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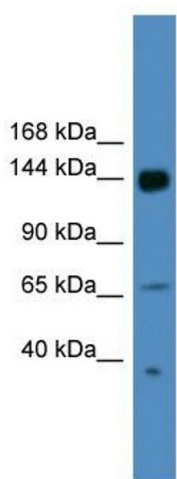
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
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Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-UPF2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate