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Datasheet for ABIN7269170

anti-PAPD5 antibody (AA 480-590)





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Quantity:	100 μL
Target:	PAPD5
Binding Specificity:	AA 480-590
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAPD5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	PAPD5 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 480-590 of human PAPD5 (NP_001035374.2).
Sequence:	YYPNNETESI LGRIIRVTDE VATYRDWISK QWGLKNRPEP SCNGNGVTLI VDTQQLDKCN NNLSEENEAL GKCRSKTSES LSKHSSNSSS GPVSSSSATQ SSSSDVDSDA T
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

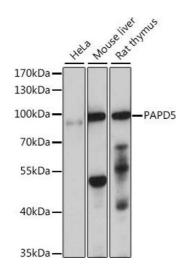
Target:	PAPD5		
Alternative Name:	PAPD5 (PAPD5 Products)		
Background:	Terminal nucleotidyltransferase that catalyzes preferentially the transfert of ATP and GTP on		
	RNA 3' poly(A tail creating a heterogeneous 3' poly(A tail leading to mRNAs stabilization by		
	protecting mRNAs from active deadenylation. Also functions as a catalytic subunit of a TRAMP		
	like complex which has a poly(A RNA polymerase activity and is involved in a post-		
	transcriptional quality control mechanism. Polyadenylation with short oligo(A tails is required		
	for the degradative activity of the exosome on several of its nuclear RNA substrates. Doesn't		
	need a cofactor for polyadenylation activity (in vitro. Required for cytoplasmic polyadenylation		
	of mRNAs involved in carbohydrate metabolism, including the glucose transporter		
	SLC2A1/GLUT1. Plays a role in replication-dependent histone mRNA degradation, probably		
	through terminal uridylation of mature histone mRNAs. May play a role in sister chromatid		
	cohesion. Mediates 3' adenylation of the microRNA MIR21 followed by its 3'-to-5' trimming by		
	the exoribonuclease PARN leading to degradation. Mediates 3' adenylation of H/ACA box		
	snoRNAs (small nucleolar RNAs followed by its 3'-to-5' trimming by the exoribonuclease PARN		
	which enhances snoRNA stability and maturation.,PAPD5,TRF4-2,Epigenetics & Nuclear		
	Signaling,RNA Binding,Cancer,Drug resistance,Topoisomerases,PAPD5		
Molecular Weight:	41kDa/51kDa/63kDa/64kDa/75kDa		
Gene ID:	64282		
UniProt:	Q8NDF8		
Application Details			
Application Notes:	WB,1:500 - 1:2000		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		
	should be handled by trained staff only.		

Handling

Storage:	-20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using P antibody (ABIN7269170) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.