Revision 1			
XRN2 (D6L5F) Rabbit mAb			
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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 110	Source/Isotype: Rabbit IgG	UniProt ID: #Q9H0D6	Entrez-Gene Id 22803	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity/Sensitivity		XRN2 (D6L5F) Rabbit mAb recognizes endogenous levels of total XRN2 protein.					
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human XRN2 protein.					
Background		monophosphate to cor of transcription at the 3 (1,2). According to the 4 phosphate of the nasce RNA at a faster rate tha template (3-5). In addit nucleolar RNA molecul control check of RNA m that result from defecti	nponent mononu 3'-end of genes by torpedo' model of ent RNA during co an RNAPII-mediatu ion, XRN2 is esser es (2). Several rese tolecules. XRN2 cc ve 5'mRNA cappir d tRNA and excess	ar exonuclease that degr cleotides. XRN2 also play displacing RNA polymer transcription terminatic transcriptional polyader ed RNA synthesis, resulti tital for maturation of 5.8 earch studies suggest that -transcriptionally degrac g, splicing, or 3'end form s miRNA molecules, indic	is an important role ase II (RNAPII) from on, XRN2 gains acce nylation site cleavag ng in the eviction of 85 and 285 ribosom at XRN2 plays a role des aberrant nuclea nation (6). XRN2 exc	in the termination in the DNA strand ss to the 5' ge. XRN2 degrades f RNAPII from the al RNA and small in the quality in mRNA transcripts onuclease rapidly	
Background Re	eferences	 Miki, T.S. and Großhans, H. (2013) <i>Biochem Soc Trans</i> 41, 825-30. Kilchert, C. and Vasiljeva, L. (2013) <i>Biochem Soc Trans</i> 41, 1666-72. Kim, M. et al. (2004) <i>Nature</i> 432, 517-22. West, S. et al. (2004) <i>Nature</i> 432, 522-5. Skourti-Stathaki, K. et al. (2011) <i>Mol Cell</i> 42, 794-805. Boisvert, F.M. et al. (2007) <i>Nat Rev Mol Cell Biol</i> 8, 574-85. Alexandrov, A. et al. (2006) <i>Mol Cell</i> 21, 87-96. Chernyakov, I. et al. (2008) <i>Genes Dev</i> 22, 1369-80. Großhans, H. and Chatterjee, S. (2011) <i>Adv Exp Med Biol</i> 700, 140-55. 					
Species Reactiv	vity	Species reactivity is det	ermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% of TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				า 5% w/v BSA, 1X			
Applications K	ey	W: Western Blotting IP: Immunoprecipitation					
Cross-Reactivit	ty Key	H: Human M: Mouse R: Rat Mk: Monkey					
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