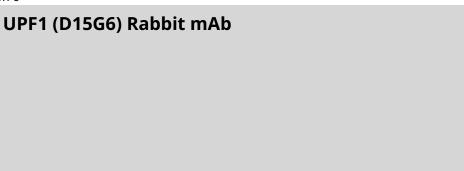
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2040

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Applications: W, IP, IF-IC, eCLIP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 140	Source/Isotype: Rabbit IgG	UniProt ID: #Q92900	Entrez-Gene Id: 5976		
Product Usage Information Application Western Blotting Immunoprecipitation Immunofluorescence (Immunocytoche eCLIP For more information about the RBP-endition		(Immunocytochem	1:200					
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		UPF1 (D15G6) Rabbit mAb recognizes endogenous levels of total UPF1 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human UPF1 protein.						
Background		UPF1 was identified as an active component in nonsense-mediated mRNA decay (NMD), an mRNA surveillance mechanism in eukaryotic cells that degrades mRNAs containing premature termination codons (1). UPF1 was found to be an ATP-dependent RNA helicase in the cytoplasm (2) and was later shown to be a component of cytoplasmic P-bodies (3). UPF1 phosphorylation mediates the repression of translation that accompanies NMD, allowing mRNA accessibility to the NMD machinery (4). Two other active components of NMD, UPF2 and UPF3, were also identified and described as having perinuclear and nucleocytoplasmic localization, respectively (5).						
Background Re	eferences	1. Leeds, P. et al. (1991) <i>Genes Dev</i> 5, 2303-14. 2. Weng, Y. et al. (1996) <i>Mol Cell Biol</i> 16, 5477-90. 3. Bruno, I. and Wilkinson, M.F. (2006) <i>Cell</i> 125, 1036-8. 4. Isken, O. et al. (2008) <i>Cell</i> 133, 314-27. 5. Lykke-Andersen, J. et al. (2000) <i>Cell</i> 103, 1121-31.						
Species Reactiv	/ity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, ´ TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				n 5% w/v BSA, 1X		
Applications Ke	ey	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) eCLIP: eCLIP				ytochemistry)		
Cross-Reactivit	у Кеу	H: Human M: Mouse R: Rat Mk: Monkey						
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