

#8577 Store at -20°C

PRP4K (D27A1) Rabbit mAb


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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H R Mk	Endogenous	150	Rabbit IgG	#Q13523	8899

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunoprecipitation	1:50
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	PRP4K (D27A1) Rabbit mAb recognizes endogenous levels of total PRP4K protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys659 of human PRP4K protein.	
Background	PRP4K (PRP4 kinase) belongs to the Clk (Cdc-like kinase) family that recognizes serine/arginine-rich substrates (1). PRP4K is involved in pre-mRNA splicing and transcriptional regulation by interacting with components of both the U5 snRNP and the NCoR Deacetylase complexes (2,3). PRP6 and PRP31 have been shown to be direct substrates of PRP4K; their phosphorylation by PRP4K contributes to the assembly of a stable spliceosomal B complex (4).	
Background References	1. Gross, T. et al. (1997) <i>Nucleic Acids Res</i> 25, 1028-35. 2. Alahari, S.K. et al. (1993) <i>Nucleic Acids Res</i> 21, 4079-83. 3. Dellaire, G. et al. (2002) <i>Mol Cell Biol</i> 22, 5141-56. 4. Schneider, M. et al. (2010) <i>Nat Struct Mol Biol</i> 17, 216-21.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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