

#8577 Store at -20C

PRP4K (D27A1) Rabbit mAb

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

Western Blotting
Immunoprecipitation

Dilution

1:1000
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) *Nucleic Acids Res* 25, 1028-35.
2. Alahari, S.K. et al. (1993) *Nucleic Acids Res* 21, 4079-83.
3. Dellaire, G. et al. (2002) *Mol Cell Biol* 22, 5141-56.
4. Schneider, M. et al. (2010) *Nat Struct Mol Biol* 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

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **R:** Rat **Mk:** Monkey

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