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## Monoclonal Antibodies Against Mtpap (Clone 1D3)

Tech ID: 25190 / UC Case 2011-380-0

### BRIEF DESCRIPTION

Mouse monoclonal antibody against the human Poly (A) RNA polymerase, mitochondrial (mtPAP). This antibody has been tested for use in immunocytochemistry/immunofluorescence, immunoprecipitation, and western blot.

### FULL DESCRIPTION

mtPAP creates the 3' poly(A) tail of mitochondrial transcripts. The polymerase may use all four nucleotides but has higher activity with ATP and UTP in vitro. mtPAP plays a role in replication-dependent histone mRNA degradation and may also be involved in terminal uridylation of mature histone mRNAs prior to degradation. mtPAP may also be responsible for creating some UAA stop codons not encoded in mtDNA.

The described mouse monoclonal IgG1 antibody binds to human mtPAP and has been described for use in immunocytochemistry/immunofluorescence, immunoprecipitation, and western blot.

### SUGGESTED USES

Immunocytochemistry/immunofluorescence (1:100-1:1000)\* Immunoprecipitation Western blot (1:500-1:3000)\* \* Suggested dilutions

### ADVANTAGES

Specific antibody to detect mtPAP (clone 1D3) by antibody-antigen complex formation.

### RELATED MATERIALS

» [A human mitochondrial poly\(A\) polymerase mutation reveals the complexities of post-transcriptional mitochondrial gene expression. - 07/09/2014](#)

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### OTHER INFORMATION

#### KEYWORDS

Monoclonal antibody,  
Centrosomal protein 164kDa,  
Cep164,  
Immunocytochemistry/immunofluorescence,  
Immunoprecipitation,  
Western blot

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