Monoclonal Antibody Against mtPAP (Clone 3D2)

Tech ID: 25122 / UC Case 2011-381-0

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 IgG2b antibody binds to human mtPAP and has been described for use in immunocytochemistry/immunofluorescnece, 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 3D2) by antibody-antigen complex formation.

CONTACT

Patricia H. Chan
patricia.chan@uci.edu
tel: 949-824-6821.



INVENTORS

- Kim, Yoon
- Lee, Eva Y H P
- Lee, Wen Hwa
- Wang, Dennis D.

OTHER INFORMATION

KEYWORDS

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

CATEGORIZED AS

- **Agriculture & Animal Science**
  - Animal Science
- **Biotechnology**
  - Genomics

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- » Proteomics

» **Imaging**

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RELATED CASES

2011-381-0, 2011-086-0, 2011-375-0, 2011-376-0, 2011-377-0, 2011-378-0, 2011-379-0, 2011-380-0, 2011-382-0, 2011-383-0, 2011-384-0, 2011-385-0, 2011-386-0, 2011-387-0

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Monoclonal Antibody Against PNPase (Clone 4C11)
- Monoclonal Antibodies Against Chk2 (Clone 4B8)
- Monoclonal Antibody against ATR-IP (Clone 11)
- Monoclonal Antibody Against PNPase (Clone 3H5)
- Monoclonal Antibody Against CEP164 (Clone 13)

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5270 California Avenue / Irvine,CA 92697-7700 / Tel: 949.824.2683

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