

For Research Use Only

MUS81 Polyclonal antibody

Catalog Number: 11018-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 11018-1-AP	GenBank Accession Number: BC009999	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80198	Recommended Dilutions: WB 1:500-1:2000 IF 1:20-1:200
Source: Rabbit	Full Name: MUS81 endonuclease homolog (S. cerevisiae)	
Isotype: IgG	Calculated MW: 61 kDa	
Immunogen Catalog Number: AG1476	Observed MW: 52-72 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : HepG2 cells, NIH/3T3 cells
Cited Applications: IHC, WB	IF : MCF-7 cells,
Species Specificity: human, mouse, rat	
Cited Species: human	

Background Information

The Crossover junction endonuclease MUS81 has associated endonuclease activity against structure-specific oligonucleotide substrates, including synthetic Holliday junctions (PMID:11741546). It interacts with EME1 and EME2 to form a DNA structure-specific endonuclease with substrate preference for branched DNA structures with a 5'-end at the branch nick. The open reading frame of human MUS81 predicts a translation product of 551 amino acids with a molecular mass of 59 kDa. There are some reports showed that the enzyme can express a 72 kDa protein in human tissues (PMID:12724407).

Notable Publications

Author	Pubmed ID	Journal	Application
Yixi Xu	29106372	Elife	WB
Antonio Marzio	34963055	Cell	WB, IHC

Storage

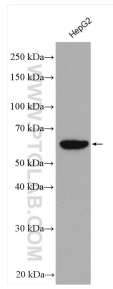
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

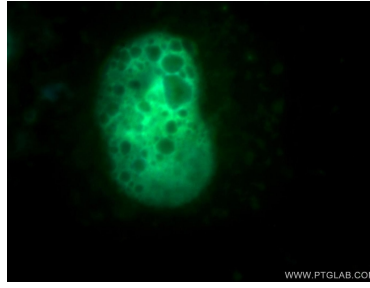
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 11018-1-AP (MUS81 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells, using MUS81 antibody 11018-1-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).