

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 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80198	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q96NY9	
Isotype: IgG	Full Name: MUS81 endonuclease homolog (S. cerevisiae)	
Immunogen Catalog Number: AG1476	Calculated MW: 61 kDa	
	Observed MW: 52-72 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HepG2 cells, NIH/3T3 cells IF/ICC : MCF-7 cells,
Cited Applications: WB, IHC	
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 kD. 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

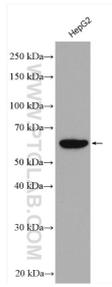
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).