

For Research Use Only

MUS81 Recombinant monoclonal antibody

Catalog Number: 87462-1-RR



Basic Information

Catalog Number: 87462-1-RR	GenBank Accession Number: BC009999	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 80198	CloneNo.: 252834C7
Source: Rabbit	UNIPROT ID: Q96NY9	Recommended Dilutions: WB: 1:5000-1:50000
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, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, HepG2 cells, L02 cells, SH-SY5Y cells, NIH/3T3 cells, HSC-T6 cells

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).

Storage

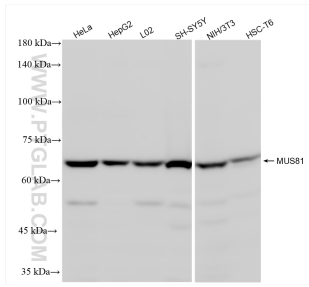
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

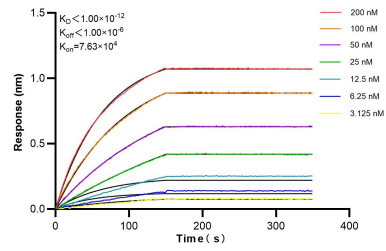
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87462-1-RR (MUS81 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87462-1-RR against Human MUS81 were performed. The affinity constant is below 1 pM.