

For Research Use Only

# MUS81 Recombinant monoclonal antibody, PBS Only

Catalog Number:87462-1-PBS



## Basic Information

<b>Catalog Number:</b> 87462-1-PBS	<b>GenBank Accession Number:</b> BC009999	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 80198	<b>CloneNo.:</b> 252834C7
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q96NY9	
<b>Immunogen Catalog Number:</b> AG1476	<b>Full Name:</b> MUS81 endonuclease homolog (S. cerevisiae)	
	<b>Calculated MW:</b> 61 kDa	
	<b>Observed MW:</b> 52-72 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

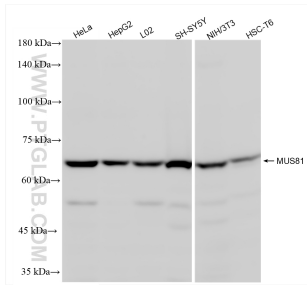
T: 4006900926

E: Proteintech-CN@ptglab.com

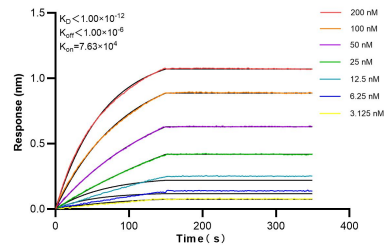
W: ptgcn.com

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## 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. This data was developed using the same antibody clone with 87462-1-PBS in a different storage buffer formulation.



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