

For Research Use Only

MUS81 Recombinant monoclonal antibody

Catalog Number:87462-1-RR



Basic Information

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|--|---|---|
| Catalog Number: 87462-1-RR | GenBank Accession Number: BC009999 | Purification Method: Protein A purification |
| Source: Rabbit | GeneID (NCBI): 80198 | CloneNo.: 252834C7 |
| Isotype: IgG | UNIPROT ID: Q96NY9 | Recommended Dilutions: WB: 1:5000-1:50000 |
| Immunogen Catalog Number: AG1476 | Full Name: MUS81 endonuclease homolog (S. cerevisiae) | |
| | Calculated MW: 61 kDa | |
| | Observed MW: 52-72 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : HeLa cells, HepG2 cells, L02 cells, SH-SY5Y cells, NIH/3T3 cells, HSC-T6 cells |
| 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 -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

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

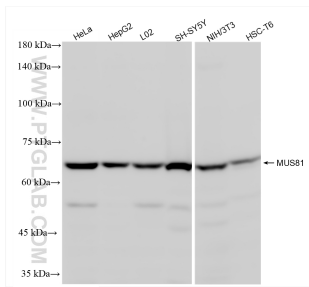
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E: Proteintech-CN@ptglab.com

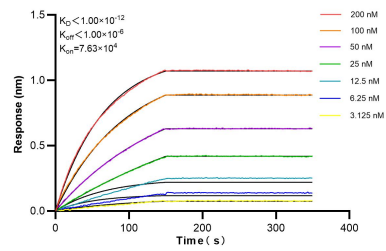
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Selected Validation Data



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.



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