For Research Use Only

MUS81 Recombinant monoclonal antibody, PBS Only

Catalog Number:87462-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
87462-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1476

GenBank Accession Number:
BC009999

GeneID (NCBI):
80198

UNIPROT ID:
Q96NY9

Full Name:
MUS81 endonuclease homolog (S. cerevisiae)

Calculated MW:
61 kDa

Observed MW:
52-72 kDa

Purification Method:
Protein A purification

CloneNo.:
252834C7

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

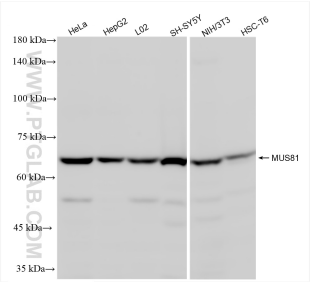
The Crossover junction endonuclease MUS81 has associated endonuclease activity against structure-specific oligonucleotide substrates, including synthetic Holliday junctions(PMID:11741546). It interacts with EME1 and EME2 to form a DNA structure-specific endonuclease with substrate preference for branched 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

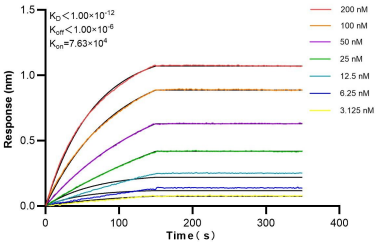
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

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.