Product Datasheet

MUS81 Polyclonal Antibody

Catalog No: #30737

Package Size: #30737-1 50ul #30737-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

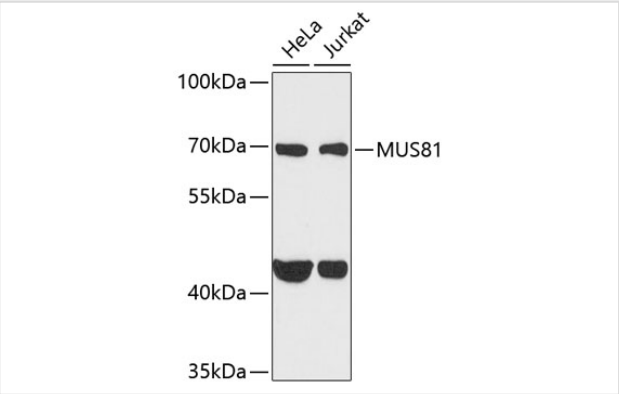
Description

Product Name	MUS81 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human MUS81 (NP_079404.3).
Other Names	MUS81; SLX3; crossover junction endonuclease MUS81
Accession No.	Swiss-Prot#:Q96NY9NCBI Gene ID:80198
Uniprot	Q96NY9
GeneID	80198;
Calculated MW	70kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

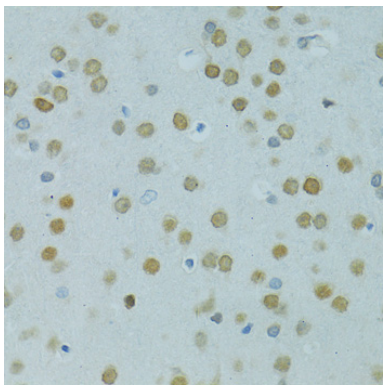
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:100IF□1:50 - 1:100

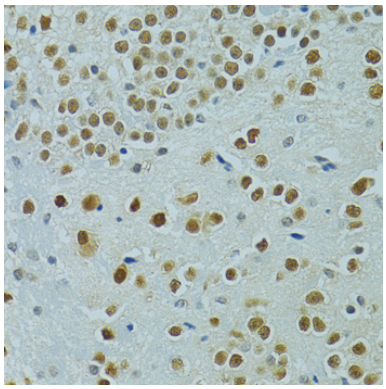
Images



Western blot analysis of extracts of various cell lines, using MUS81 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat brain using MUS81 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using MUS81 at dilution of 1:100 (40x lens).

Background

This gene encodes a structure-specific endonuclease which belongs to the XPF/MUS81 endonuclease family and plays a critical role in the resolution of recombination intermediates during DNA repair after inter-strand cross-links, replication fork collapse, and DNA double-strand breaks. The encoded protein associates with one of two closely related essential meiotic endonuclease proteins (EME1 or EME2) to form a complex that processes DNA secondary structures. It contains an N-terminal DEAH helicase domain, an excision repair cross complementation group 4 (ERCC4) endonuclease domain, and two tandem C-terminal helix-hairpin-helix domains. Mice with a homozygous knockout of the orthologous gene have significant meiotic defects including the failure to repair a subset of DNA double strand breaks.

Note: This product is for in vitro research use only