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# anti-MUS81 antibody

2 Images



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#### Overview

Quantity:	200 μL
Target:	MUS81
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUS81 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

#### **Product Details**

Immunogen:	Recombinant fusion protein of human MUS81 (NP_079404.3).
Isotype:	lgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

# **Target Details**

Target:	MUS81
Alternative Name:	MUS81 (MUS81 Products)
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

#### **Target Details**

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.

Gene ID: 80198

UniProt: Q96NY9

Pathways: DNA Damage Repair

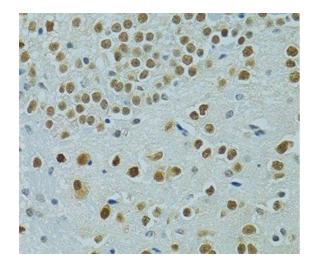
## **Application Details**

Application Notes: IHC 1:50-1:100

Restrictions: For Research Use only

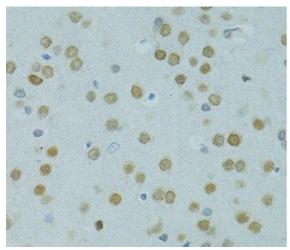
### Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Mouse brain using MUS81 Polyclonal Antibody at dilution of 1:100 (40x lens).



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of paraffin-embedded Rat brain using MUS81 Polyclonal Antibody at dilution of 1:100 (40x lens).