

**Product Name: MDM4 Mouse Monoclonal Antibody**  
**Catalog #: AMM80672**



## Summary

<b>Production Name</b>	MDM4 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ICC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	MDM4
<b>Alternative Names</b>	HDMX; MDMX; MRP1; MDM4
<b>Gene ID</b>	4194.0
<b>SwissProt ID</b>	O15151.Purified recombinant fragment of human MDM4 expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	IHC:1:200-1:1000,ICC:1:200-1:1000,ELISA:1:10000
<b>Molecular Weight</b>	55kDa

## Background

MDM4, encodes a 490-amino acid protein containing a RING finger domain and a putative nuclear localization signal. The

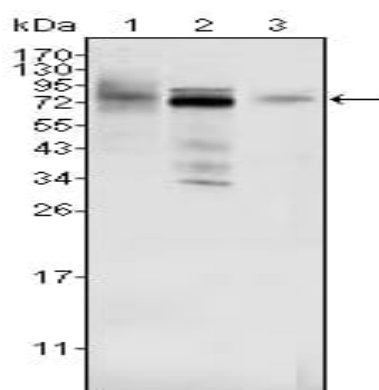
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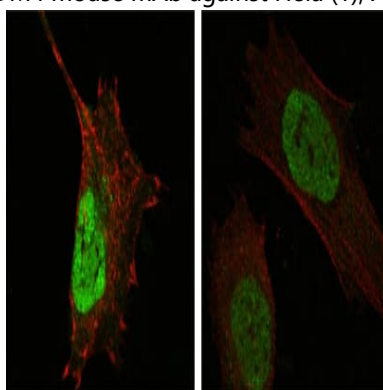
MDM4 putative nuclear localization signal, which all Mdm proteins contain, is located in the C-terminal region of the protein. The mRNA is expressed at a high level in thymus and at lower levels in all other tissues tested. MDM4 protein produced by in vitro translation interacts with p53 via a binding domain located in the N-terminal region of the MDM4 protein. MDM4 shows significant structural similarity to p53-binding protein MDM2.

## Research Area

## Image Data



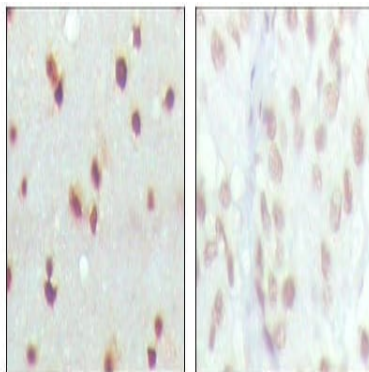
Western blot analysis using MDM4 mouse mAb against HeLa (1), A549 (2) and A431 (3) cell lysate.



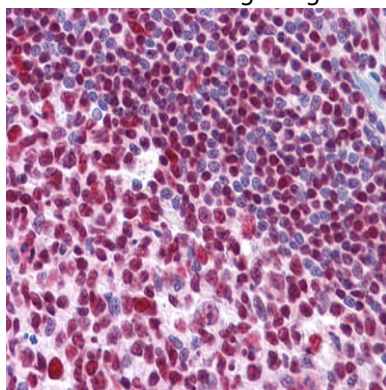
Confocal Immunofluorescence analysis of HeLa (left) and L-02 (right) cells using MDM4 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin.

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Immunohistochemical analysis of paraffin-embedded human cerebra (left) and lung carcinoma (right) tissues, showing nuclear localization with DAB staining using MDM4 mouse mAb.



Immunohistochemical analysis of paraffin-embedded human Tonsil tissues using MDM4 mouse mAb

### **Note**

For research use only.