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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Weitere Information auf den folgenden Seiten!
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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MDM2 monoclonal antibody (M01), clone 1A7

Catalog # : H00004193-M01

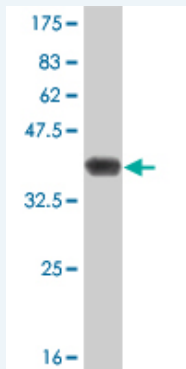
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant MDM2.
Immunogen:	MDM2 (NP_002383, 101 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	TMIYRNLVWNQQESSDSGTSVSENRCHEGGSDQKDLVQELQEEKPS SSHLVSRPSTSSRRRAISETEENSDELSEGERQKRKRHKSISLSFDESLA LC
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

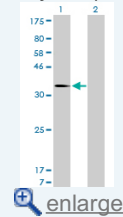
Datasheet: [Download](#)

Applications

Western Blot (Transfected lysate)

Application Image

Western Blot (Transfected lysate)

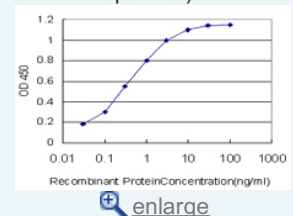


Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

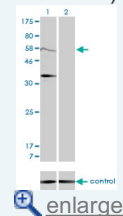


Sandwich ELISA (Recombinant protein)

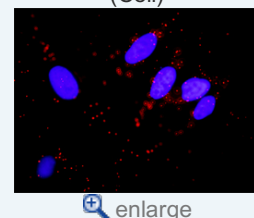


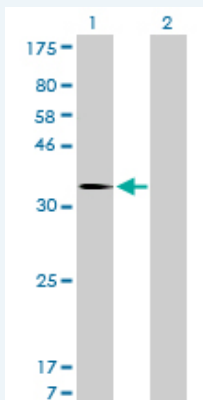
ELISA

RNAi Knockdown (Antibody validated)



In situ Proximity Ligation Assay (Cell)





Western Blot analysis of MDM2 expression in transfected 293T cell line by MDM2 monoclonal antibody (M01), clone 1A7.

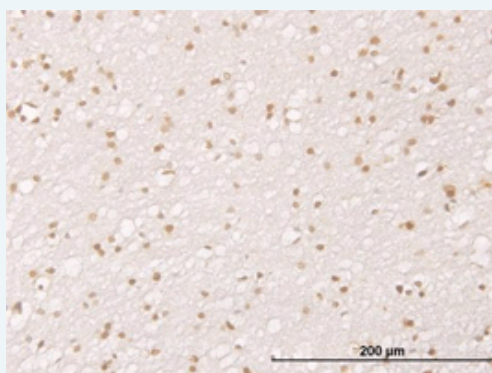
Lane 1: MDM2 transfected lysate(55.2 KDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

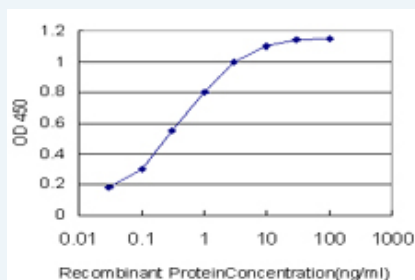


[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to MDM2 on formalin-fixed paraffin-embedded human cerebral cortex. [antibody concentration 1.5 ug/ml]

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Sandwich ELISA (Recombinant protein)

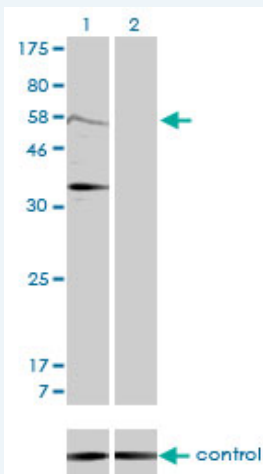


Detection limit for recombinant GST tagged MDM2 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

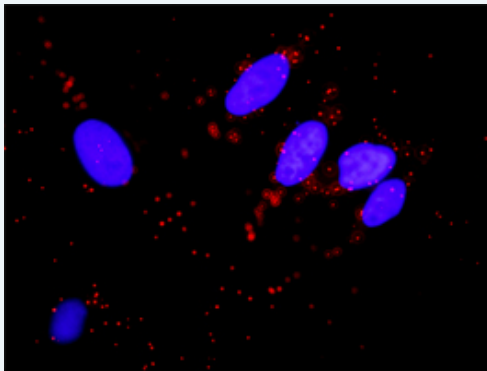
RNAi Knockdown (Antibody validated)



Western blot analysis of MDM2 over-expressed 293 cell line, cotransfected with MDM2 Validated Chimera RNAi (Cat # H00004193-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MDM2 monoclonal antibody (M01), clone 1A7 (Cat # H00004193-M01). GAPDH (36.1 kDa) used as specificity and loading control.

 [Protocol Download](#)

***In situ* Proximity Ligation Assay (Cell)**



Proximity Ligation Analysis of protein-protein interactions between TP53 and MDM2. HeLa cells were stained with anti-TP53 rabbit purified polyclonal 1:1200 and anti-MDM2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Information

Entrez GeneID: [4193](#)

GeneBank [NM_002392](#)
Accession#:

Protein [NP_002383](#)
Accession#:

Gene Name: MDM2

Gene Alias: HDMX,MGC71221,hdm2

Gene Mdm2 p53 binding protein homolog (mouse)
Description:

Omim ID: [164785](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive inactivation of tumor protein p53, diminishing its tumor

suppressor function. This protein has E3 ubiquitin ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcript variants have been isolated from both tumor and normal tissues. [provided by RefSeq]

Other Designations: Mdm2, transformed 3T3 cell double minute 2, p53 binding protein, double minute 2, human homolog of; p53-binding protein, mouse double minute 2 homolog, p53-binding protein MDM2, ubiquitin-protein ligase E3 Mdm2

Gene Pathway

[Bladder cancer](#) [Cell cycle](#) [Chronic myeloid leukemia](#) [Endocytosis](#) [Glioma](#) [Melanoma](#) [p53 signaling pathway](#) [Pathways in cancer](#) [Prostate cancer](#) [Ubiquitin mediated proteolysis](#)

Related Disease

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