

HdmX/MDM4 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10581**Specification**

HdmX/MDM4 Antibody - Product Information

Application	WB, IP
Primary Accession	O15151
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54864

HdmX/MDM4 Antibody - Additional Information**Gene ID 4194**

Application & Usage	Western blotting (1:500 - 1:1500) and Immunoprecipitation. MCF7 cell lysate can be used as a positive control. However, the optimal concentrations should be determined individually. The antibody recognizes the HdmX/MDM4 of human origin. Reactivity to other species has not been tested.
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Other Names

HdmX, MdmX, MDM4, homolog of mouse double minute 4 protein

Target/Specificity

HdmX/MDM4

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

HdmX/MDM4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

HdmX/MDM4 Antibody - Protein Information

Name MDM4

Synonyms MDMX

Function

Along with MDM2, contributes to TP53 regulation (PubMed:32300648). Inhibits p53/TP53- and TP73/p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Inhibits degradation of MDM2. Can reverse MDM2-targeted degradation of TP53 while maintaining suppression of TP53 transactivation and apoptotic functions.

Cellular Location

Nucleus.

Tissue Location

Expressed in all tissues tested with high levels in thymus

HdmX/MDM4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HdmX/MDM4 Antibody - Images**HdmX/MDM4 Antibody - Background**

The MDM2 protein is the primary regulator of p53 protein stability. MDMX is an MDM2-related protein that inhibits MDM2-mediated degradation of p53 via distinct associations with MDM2. The gene that encodes MDMX (also designated MDM4) is a target for amplification in malignant gliomas. ARF interacts with MDMX to sequester MDMX within the nucleolus. This sequestration of MDMX by ARF results in an increase in p53 transactivation. In addition, expression of MDMX can reverse MDM2-targeted degradation of p53 while maintaining suppression of p53 transactivation. Like MDM2, MDMX also binds p73 and stabilizes the level of p73. Therefore, in striking contrast to p53, the half-life of p73 is increased by binding to MDM2.