

**MDM4 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13861c****Specification**

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**MDM4 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O15151</a>
Other Accession	<a href="#">NP_002384.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54864
Antigen Region	128-157

**MDM4 Antibody (Center) - Additional Information****Gene ID** 4194**Other Names**

Protein Mdm4, Double minute 4 protein, Mdm2-like p53-binding protein, Protein Mdmx, p53-binding protein Mdm4, MDM4, MDMX

**Target/Specificity**

This MDM4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 128-157 amino acids from the Central region of human MDM4.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MDM4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**MDM4 Antibody (Center) - 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**

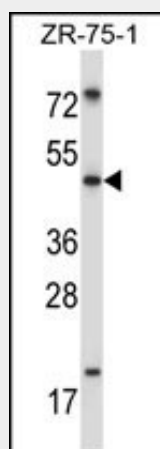
Expressed in all tissues tested with high levels in thymus

**MDM4 Antibody (Center) - 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](#)

**MDM4 Antibody (Center) - Images**



MDM4 Antibody (Center) (Cat. #AP13861c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the MDM4 antibody detected the MDM4 protein (arrow).

**MDM4 Antibody (Center) - Background**

The human MDM4 gene, which plays a role in apoptosis, encodes a 490-amino acid protein containing a RING finger domain and a putative nuclear localization signal. The 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. Two transcript variants, one protein-coding and the other likely not to be protein-coding, have been found for this gene.

#### **MDM4 Antibody (Center) - References**

Xu, N., et al. Biochem. Biophys. Res. Commun. 401(3):417-421(2010)  
Sarkari, F., et al. J. Mol. Biol. 402(5):825-837(2010)  
Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)  
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Fang, S., et al. PLoS ONE 5 (5), E10813 (2010) :

#### **MDM4 Antibody (Center) - Citations**

- [MDM4 expression in fibrolamellar hepatocellular carcinoma.](#)