

MDM4 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13861c**Specification****MDM4 Antibody (Center) Blocking peptide - Product Information**Primary Accession [O15151](#)**MDM4 Antibody (Center) Blocking peptide - 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

The synthetic peptide sequence used to generate the antibody AP13861c was selected from the Center region of MDM4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MDM4 Antibody (Center) Blocking peptide - Protein Information

Name MDM4

Synonyms MDMX

MDM4 Antibody (Center) Blocking peptide - 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) Blocking peptide - 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) :

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) Blocking peptide
- Protocols**

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

- [Blocking Peptides](#)