

MDM4 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13861c**Specification**

MDM4 Antibody (Center) Blocking peptide - Product InformationPrimary 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**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](#)

MDM4 Antibody (Center) Blocking peptide - Images

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) :