

**MXD1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17158a****Specification**

---

**MXD1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q05195](#)**MXD1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4084**Other Names**

Max dimerization protein 1, Max dimerizer 1, Protein MAD, MXD1, MAD

**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.

**MXD1 Antibody (N-term) Blocking Peptide - Protein Information****Name** MXD1**Synonyms** MAD**Function**

Component of a transcriptional repressor complex together with MAX (PubMed:<a href="http://www.uniprot.org/citations/8425218" target="\_blank">8425218</a>). In complex with MAX binds to the core DNA sequence 5'-CAC[GA]TG-3' (PubMed:<a href="http://www.uniprot.org/citations/8425218" target="\_blank">8425218</a>). Antagonizes MYC transcriptional activity by competing with MYC for MAX binding (PubMed:<a href="http://www.uniprot.org/citations/8425218" target="\_blank">8425218</a>). Binds to the TERT promoter and represses telomerase expression, possibly by interfering with MYC binding (PubMed:<a href="http://www.uniprot.org/citations/12837246" target="\_blank">12837246</a>).

**Cellular Location**

Nucleus.

**MXD1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **MXD1 Antibody (N-term) Blocking Peptide - Images**

#### **MXD1 Antibody (N-term) Blocking Peptide - Background**

MAX dimerization protein belongs to a subfamily of MAX-interacting proteins. This protein competes with MYC for binding to MAX to form a sequence-specific DNA-binding complex, acts as a transcriptional repressor (while MYC appears to function as an activator) and is a candidate tumor suppressor. [provided by RefSeq].

#### **MXD1 Antibody (N-term) Blocking Peptide - References**

Wu, S., et al. Exp. Cell Res. 315(18):3099-3111(2009) Chou, C.K., et al. Mol. Carcinog. 48(11):1048-1058(2009) Zhu, J., et al. Proc. Natl. Acad. Sci. U.S.A. 105(18):6584-6589(2008) Jiang, K., et al. Nucleic Acids Res. 36(5):1517-1531(2008) Suo, X.H., et al. Zhonghua Xue Ye Xue Za Zhi 28(11):745-749(2007)