

**MXD3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16120a****Specification**

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**MXD3 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O9BW11](#)**MXD3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 83463**Other Names**

Max dimerization protein 3, Max dimerizer 3, Class C basic helix-loop-helix protein 13, bHLHc13, Max-associated protein 3, Max-interacting transcriptional repressor MAD3, Myx, MXD3, BHLHC13, MAD3

**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.

**MXD3 Antibody (N-term) Blocking Peptide - Protein Information****Name** MXD3**Synonyms** BHLHC13, MAD3**Function**

Transcriptional repressor. Binds with MAX to form a sequence- specific DNA-binding protein complex which recognizes the core sequence 5'-CAC[GA]TG-3'. Antagonizes MYC transcriptional activity by competing for MAX and suppresses MYC dependent cell transformation (By similarity).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

**MXD3 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MXD3 Antibody (N-term) Blocking Peptide - Images****MXD3 Antibody (N-term) Blocking Peptide - Background**

This gene encodes a member of the Myc superfamily of basic helix-loop-helix leucine zipper transcriptional regulators. The encoded protein forms a heterodimer with the cofactor MAX which binds specific E-box DNA motifs in the promoters of target genes and regulates their transcription. Disruption of the MAX-MXD3 complex is associated with uncontrolled cell proliferation and tumorigenesis. Transcript variants of this gene encoding different isoforms have been described.

**MXD3 Antibody (N-term) Blocking Peptide - References**

Barisone, G.A., et al. Cell Cycle 7(4):423-427(2008) Yun, J.S., et al. Mol. Cell. Biol. 27(23):8178-8189(2007) Hurlin, P.J., et al. Semin. Cancer Biol. 16(4):265-274(2006) Sommer, A., et al. J. Biol. Chem. 273(12):6632-6642(1998)