10320 Camino Santa Fe, Suite G
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MXD3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16120a

Specification

MXD3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9BW11

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

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MXD3 Antibody (N-term) Blocking Peptide - Images

MXD3 Antibody (N-term) Blocking Peptide - Background

This gene encodes a member of the Myc superfamily of basichelix-loop-helix leucine zipper transcriptional regulators. Theencoded protein forms a heterodimer with the cofactor MAX whichbinds specific E-box DNA motifs in the promoters of target genesand regulates their transcription. Disruption of the MAX-MXD3complex is associated with uncontrolled cell proliferation andtumorigenesis. Transcript variants of this gene encoding differentisoforms 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)