

MXD3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16120a**Specification**

MXD3 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9BW11
Other Accession	NP_112590.1 , NP_001136407.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23477
Antigen Region	28-56

MXD3 Antibody (N-term) - 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

Target/Specificity

This MXD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-56 amino acids from the N-terminal region of human MXD3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MXD3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MXD3 Antibody (N-term) - 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).

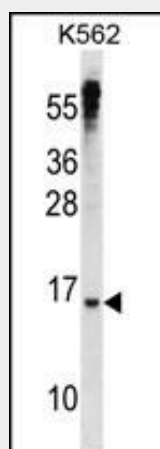
Cellular Location

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

MXD3 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MXD3 Antibody (N-term) - Images

MXD3 Antibody (N-term) (Cat. #AP16120a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the MXD3 antibody detected the MXD3 protein (arrow).

MXD3 Antibody (N-term) - 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) - 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)