

## Product datasheet for **TA329266**

### MXI1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-MXI1 antibody: synthetic peptide directed towards the middle region of human MXI1. Synthetic peptide located within the following region: LNKAKAHIKKLEEAERKSQHQLENLEREQRFLKWRLEQLQGPQEMERIRM
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26 kDa
Gene Name:	MAX interactor 1, dimerization protein
Database Link:	<a href="#">NP_569157</a> <a href="#">Entrez Gene 17859 Mouse</a> <a href="#">Entrez Gene 4601 Human</a> <a href="#">P50539</a>



[View online »](#)

**Background:**

Expression of the c-myc gene, which produces an oncogenic transcription factor, is tightly regulated in normal cells but is frequently deregulated in human cancers. The MXI1 gene encodes a transcriptional repressor protein thought to negatively regulate MYC function, and is therefore a potential tumor suppressor. This protein inhibits the transcriptional activity of MYC by competing for MAX, another basic helix-loop-helix protein that binds to MYC and is required for its function. Defects in MXI1 are frequently found in patients with prostate tumors. Expression of the c-myc gene, which produces an oncogenic transcription factor, is tightly regulated in normal cells but is frequently deregulated in human cancers. The protein encoded by this gene is a transcriptional repressor thought to negatively regulate MYC function, and is therefore a potential tumor suppressor. This protein inhibits the transcriptional activity of MYC by competing for MAX, another basic helix-loop-helix protein that binds to MYC and is required for its function. Defects in this gene are frequently found in patients with prostate tumors. Three alternatively spliced transcripts encoding different isoforms have been described. Additional alternatively spliced transcripts may exist but the products of these transcripts have not been verified experimentally.

**Synonyms:**

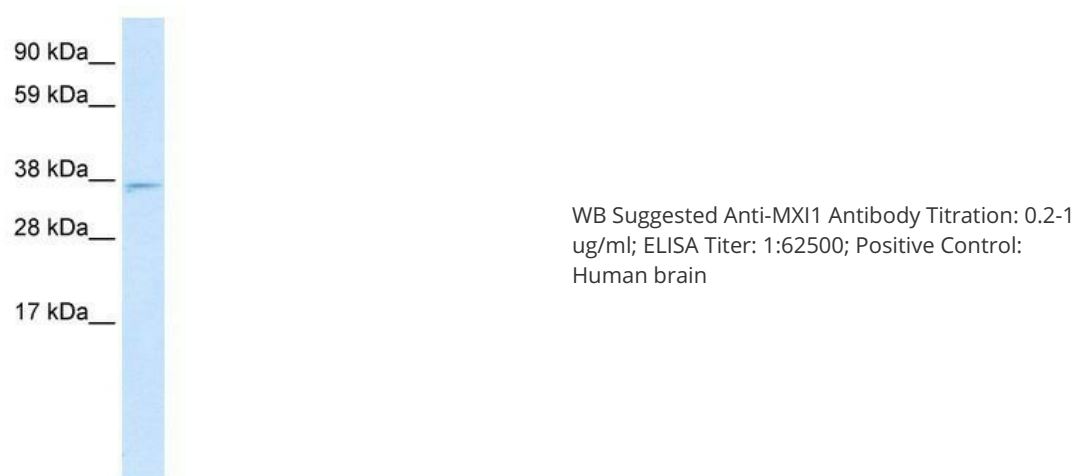
bHLHc11; MAD2; MXD2; MXI

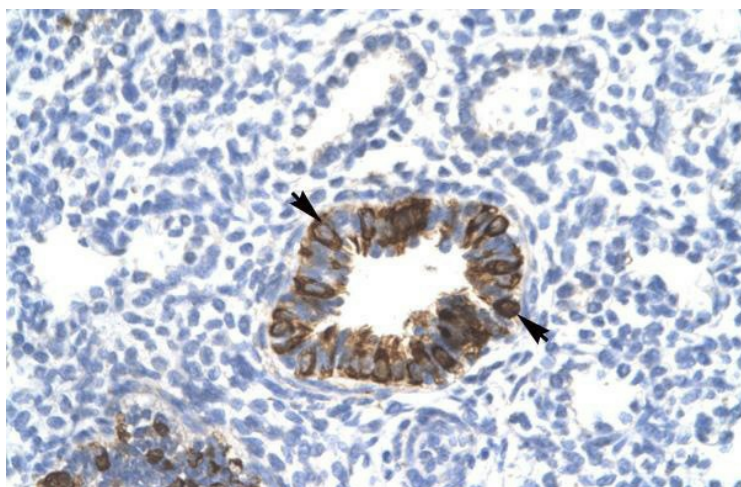
**Note:**

Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 79%; Yeast: 75%

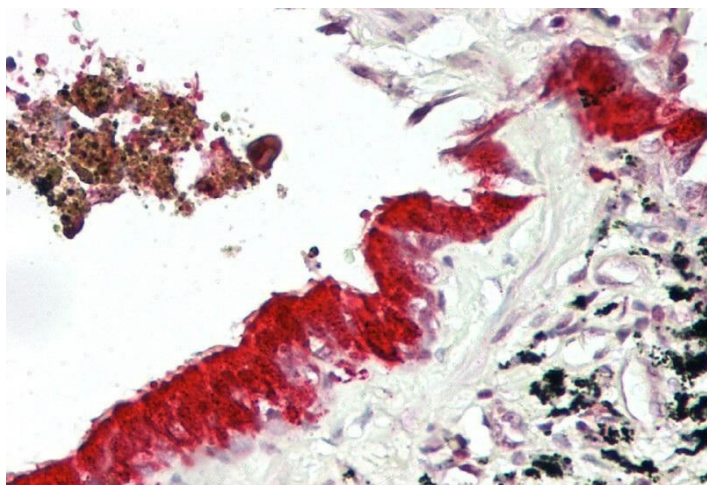
**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**



Rabbit Anti-MX11 Antibody; Paraffin Embedded Tissue: Human Lung; Cellular Data: Epithelial cells of bronchiole; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X



IHC Suggested Anti-MX11 antibody; Titration: 5ug/ml; Positive Control: Lung, respiratory epithelium