Rabbit MXI1 Polyclonal Antibody | anti-MXI1 antibody

MXI1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197160	**Rabbit**	**Cow, Dog, Guinea Pig, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish**	**Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

MXI1; Polyclonal Antibody; MXI1 antibody - middle region; anti-MXI1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Syntheticp eptideloca tedwithint hefollowin gregion:LN KAKAHIKKLE EAERKSQHQL ENLEREQRFL KWRLEQLQGP QEMERIRM
Sequence Length	295
Applicable Applications for anti-MXI1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 75%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human MXI1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

WB (Western Blot)
WB Suggested Anti-MXI1 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive Control: Human brain

WB (Western Blot)
Host: MouseTarget Name: MXI1Sample Tissue: Mouse BrainAntibody Dilution: 1ug/ml

IHC (Immunohiostchemistry)
Rabbit Anti-MXI1 AntibodyParaffin Embedded Tissue: Human LungCellular Data: Epithelial cells of bronchioleAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X

IHC (Immunohistochemistry)
IHC Suggested Anti-MXI1 antibodyTitration: 5ug/ mlPositive Control: Lung, respiratory epithelium

ADDITIONAL INFORMATION

Related Product Information for anti-MXI1 antibody	This is a rabbit polyclonal antibody against MXI1. It was validated on Western Blot and immunohistochemistry Target Description: 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.
Product Categories/Family for anti-MXI1 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Disease Related; Immunohistochemistry; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	47717116
NCBI GeneID	4601
NCBI Accession #	NP_569157
NCBI GenBank Nucleotide #	NM_130439
UniProt Accession #	P50539
Molecular Weight	26kDa
NCBI Official Full Name	max-interacting protein 1 isoform b
NCBI Official Synonym Full Names	MAX interactor 1, dimerization protein
NCBI Official Symbol	MXI1
NCBI Official Synonym Symbols	MXI; MAD2; MXD2; bHLHc11
NCBI Protein Information	max-interacting protein 1
UniProt Protein Name	Max-interacting protein 1
UniProt Gene Name	**MXI1**
UniProt Synonym Gene Names	BHLHC11; Max interactor 1; bHLHc11
UniProt Entry Name	MXI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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