

Mouse anti-Human MXI1 Monoclonal Antibody | anti-MXI1 antibody

MXI1 Mouse Monoclonal Antibody [Clone PCRP-MXI1-1A3]

CATALOG # AAA215821	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

MXI1; Monoclonal Antibody; MXI1 Mouse Monoclonal Antibody [Clone PCRP-MXI1-1A3]; bHLHc11; Class C basic helix-loop-helix protein 11; MAX dimerization protein 2 (MAD2); MAX interacting protein 1; Max interactor 1; Max related transcription factor; MXD2; MXI; MXI1 protein; anti-MXI1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b
Clone Number	PCRP-MXI1-1A3
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-MXI1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human MXI1 protein
Cellular Localization	Nucleus
Positive Control	HeLa or K562 cells.
Hu-chromosome Location	10q25.2
Unigene	602078 & 676603
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of PFA-fixed HeLa cells. MXI1 Mouse Monoclonal Antibody (PCRP-MXI1-1A3) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

ADDITIONAL INFORMATION

Related Product Information for anti-MXI1 antibody	It is now well established that Myc regulation of cell proliferation and differentiation involves a family of related transcription factors. One such factor, Max, is an obligate heterodimeric partner for Myc and can also form heterodimers with at least four related proteins designated Mad 1, Mxi1 (also designated Mad 2), Mad 3 and Mad 4. Like Mad 1 and Mxi1, association of Mad 3 and Mad 4 with Max results in transcriptional repression. Both Myc and the Mad proteins have short half-lives and their synthesis is tightly regulated, while Max expression is constitutive and relatively stable. Two related mammalian cDNAs have been identified and shown to encode Mad- binding proteins. Both possess sequence homology with the yeast transcription repressor Sin3 including four conserved paired amphipathic helix (PAH) domains. mSin3A and mSin3B specifically interact with the Mad proteins via their second paired amphipathic helix domain (PAH2). It has been suggested that Mad-Max heterodimers repress transcription by tethering mSin3 to DNA as corepressors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	57242784
NCBI GeneID	4601
NCBI Accession #	NP_001008541.1
NCBI GenBank Nucleotide #	NM_001008541.1
UniProt Accession #	P50539; Q15887; Q6FWH2; Q96E53; B1ANN7; D3DR25; D3DRA9
Molecular Weight	26,062 Da
NCBI Official Full Name	max-interacting protein 1 isoform c
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; MAX dimerization protein 2; Max-related transcription factor; class C basic helix-loop-helix protein 11
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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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mxi1-antibody-clone-pcrp-mxi1-1a3-western-blot-immunofluorescence-flow-cytometry-elisa/215821>