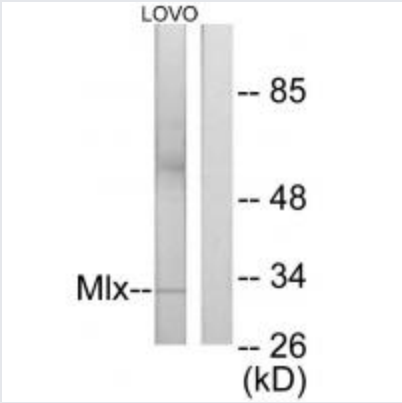
MLX Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Mlx, Polyclonal Antibody
Full Product Name	Mlx Antibody
Product Gene Name	anti-Mlx antibody
Product Synonym Names	BigMax protein; MAD7; MXD7; Max-like bHLHZip protein; Max-like protein X
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total Mlx protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	27,883 Da
OMIM	602976
3D Structure	ModBase 3D Structure for Q9UH92
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human Mlx.
Target Name	Mlx
Product Categories/Family for anti-Mlx antibody	Total protein Ab
Applications Tested/Suitable for anti-Mlx antibody	Western Blot (WB)
Application Notes for anti-Mlx antibody	Western blotting: 1:500~1:3000
Related Product Information for anti-Mlx antibody	Transcription regulator. Forms a sequence-specific DNA-binding protein complex with MAD1, MAD4, MNT, WBSCR14 and MLXIP which recognizes the core sequence 5'-CACGTG-3'. The TCFL4-MAD1, TCFL4-MAD4, TCFL4-WBSCR14 complexes are transcriptional repressors. Plays a role in transcriptional activation of glycolytic target genes. Involved in glucose-responsive gene regulation.Billin A.N., J. Biol. Chem. 274:36344-36350(1999).Meroni G., Oncogene 19:3266-3277(2000).Ota T., Nat. Genet. 36:40-45(2004).
Other Notes	Small volumes of anti-Mlx antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Mlx purchase	MBS9413061 is an antibody targeting Mlx. Also known as Mlx Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-Mlx antibody
Western blot analysis of extracts from LOVO cells, using Mlx antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Mlx. It may not necessarily be applicable to this product.

NCBI GI #	24586667
NCBI GeneID	6945
NCBI Accession #	NP_733752.1
UniProt Primary Accession #	Q9UH92
UniProt Secondary Accession #	Q53XM6; Q96FL2; Q9H2V0; Q9H2V1; Q9H2V2; Q9NXN3; A8K2J3; B2RAV8; B2RD73
UniProt Related Accession #	Q9UH92
GenBank Nucleotide #	NM_170607.2
NCBI Official Full Name	max-like protein X isoform gamma
NCBI Official Synonym Full Names	MLX, MAX dimerization protein
NCBI Official Symbol	MLX
NCBI Official Synonym Symbols	MAD7; MXD7; TCFL4; bHLHd13
UniProt Protein Name	Max-like protein X
UniProt Synonym Protein Names	Class D basic helix-loop-helix protein 13; bHLHd13; Max-like bHLHZip protein; Protein BigMax; Transcription factor-like protein 4
Protein Family	Max-like protein
UniProt Gene Name	MLX
UniProt Synonym Gene Names	BHLHD13; TCFL4; bHLHd13
UniProt Entry Name	MLX_HUMAN
NCBI Protein Information	max-like protein X
NCBI Summary for Mlx	The product of this gene belongs to the family of basic helix-loop-helix leucine zipper (bHLH-Zip) transcription factors. These factors form heterodimers with Mad proteins and play a role in proliferation, determination and differentiation. This gene product may act to diversify Mad family function by its restricted association with a subset of the Mad family of transcriptional repressors, namely, Mad1 and Mad4. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for Mlx	Transcription regulator. Forms a sequence-specific DNA-binding protein complex with MAD1, MAD4, MNT, WBSCR14 and MLXIP which recognizes the core sequence 5'-CACGTG-3'. The TCFL4-MAD1, TCFL4-MAD4, TCFL4-WBSCR14 complexes are transcriptional repressors. Plays a role in transcriptional activation of glycolytic target genes. Involved in glucose-responsive gene regulation.

Research Articles on Mlx	**1.** MYC is part of a network of bHLHLZ proteins centered on the MYC heterodimeric partner MAX and its counterpart, the MAX-like protein MLX.
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