

Rabbit Mlx Polyclonal Antibody | anti-Mlx antibody

Mlx Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324158	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

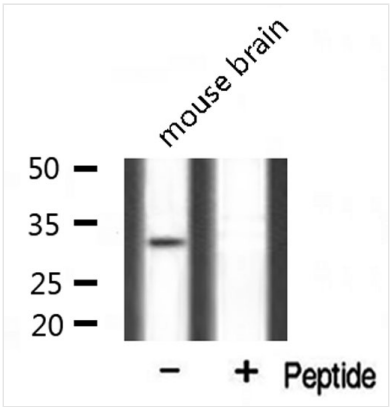
PRODUCT SYNONYMS

Mlx; Polyclonal Antibody; Mlx Antibody; bHLHd13; BigMax protein; Class D basic helix-loop-helix protein 13; MAD7; Max like bHLHZip protein; Max like protein X; Max-like bHLHZip protein; Max-like protein X; MLX; MLX_HUMAN; MLXIP; MONDOA; MXD7; Protein BigMax; Protein Mlx; TCFL4; transcription factor like 4; Transcription factor like protein 4; Transcription factor-like protein 4; anti-Mlx antibody

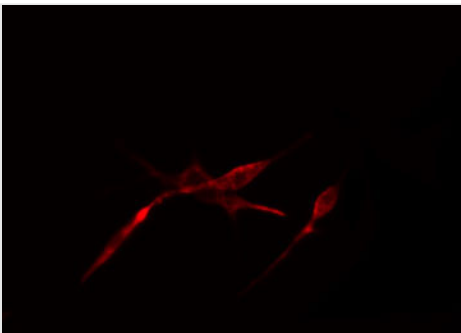
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Mlx antibody detects endogenous levels of total Mlx
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	298
Applicable Applications for anti-Mlx antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Found predominantly in the cytoplasm and nucleus. Found predominantly in the nucleus.
Tissue Specificity	Expressed in all tissues tested, including spleen, thymus, prostate, ovary, intestine, colon, peripheral blood leukocyte, heart, liver, skeletal muscle and kidney. Lower levels of expression in testis, brain, placenta and lung.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (91%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (82%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

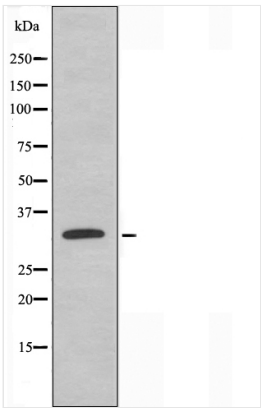
IMAGES



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using Mlx antibody.



IF (Immunofluorescence)
AAA324158 staining LOVO cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



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

ADDITIONAL INFORMATION

Related Product Information for anti-Mlx antibody	Function: 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. Subunit Structure: Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as a heterodimer with MAD1, MAD4, MNT, WBSCR14 and MLXIP. Can also bind DNA as a homodimer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24586667
NCBI GeneID	6945
NCBI Accession #	NP_733752.1
NCBI GenBank Nucleotide #	NM_170607.2
UniProt Accession #	Q9UHH2; Q53XM6; Q96FL2; Q9H2V0; Q9H2V1; Q9H2V2; Q9NXN3; A8K2J3; B2RAV8; B2RD73
Molecular Weight	Observed: 33 kD Predicted: 34 kDa
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	TF4; MAD7; MXD7; TCFL4; bHLHd13
NCBI Protein Information	max-like protein X
UniProt Protein Name	Max-like protein X
UniProt Gene Name	MLX
UniProt Synonym Gene Names	BHLHD13; TCFL4; bHLHd13

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://www.aaabiotech.com/polyclonal/mlx-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324158>