

Mlx Polyclonal Antibody

Catalog No :	YT2791
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Mlx
Fields :	>>Insulin resistance;>>Non-alcoholic fatty liver disease
Gene Name :	MLX
Protein Name :	Max-like protein X
Human Gene Id :	6945
Human Swiss Prot No :	Q9UH92
Mouse Gene Id :	21428
Mouse Swiss Prot No :	O08609
Immunogen :	The antiserum was produced against synthesized peptide derived from human Mlx. AA range:111-160
Specificity :	Mlx Polyclonal Antibody detects endogenous levels of Mlx protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 33kD

Cell Pathway : Stem cell pathway; Protein_Acetylation

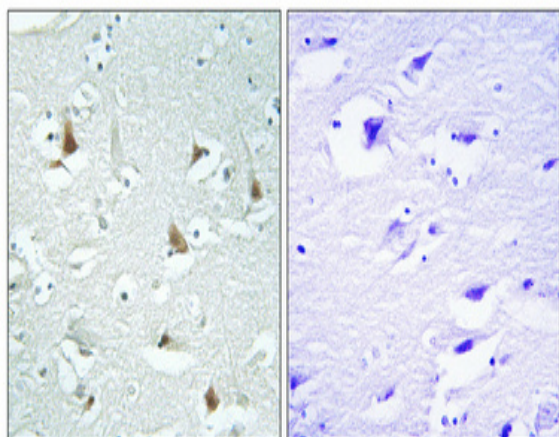
Background : The product of this gene belongs to the family of basic helix-loop-helix leucine zipper (bHLH-Zip) transcription factors. These factors form heterodimers with Mad proteins and play a role in proliferation, determination and differentiation. This gene product may act to diversify Mad family 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],

Function : 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.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subcellular location:Found predominantly in the cytoplasm.,subcellular location:Found predominantly in the nucleus.,subunit: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.,tissue specificity:Expressed in all tissues tested, including spleen, thymus, prostate, ovary, intestine, colon, peripheral blood leukocyte, heart, liver, skeletal

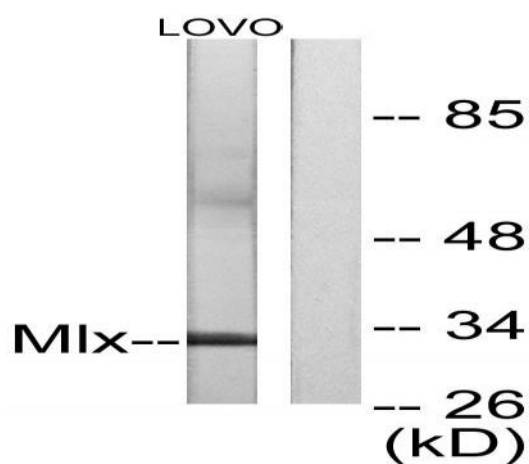
Subcellular Location : [Isoform Alpha]: Cytoplasm . Found predominantly in the cytoplasm (PubMed:10918583). .; [Isoform Beta]: Cytoplasm . Found predominantly in the cytoplasm (PubMed:10918583). .; [Isoform Gamma]: Nucleus . Found predominantly in the nucleus (PubMed:10918583). .

Expression : 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.

Products Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from LOVO cells, using Mix Antibody. The lane on the right is blocked with the synthesized peptide.