



MLXPL mouse mAb

Catalog No	YP-mAb-11432
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MLXIPL BHLHD14 MIO WBSCR14
Immunogen	Synthesized peptide derived from human MLXPL AA range: 303-353
Specificity	This antibody detects endogenous levels of MLXPL at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	bHLHd14;CHREBP;MIO;MLX interacting protein like;MLX interactor;MLXIPL;MONDOB;MLXPL;MLXIPL BHLHD14 MIO WBSCR14
Observed Band	
Calculated Molecular Weight	94kD
Cell Pathway	Nucleus.
Tissue Specificity	Expressed in liver, heart, kidney, cerebellum and intestinal tissues.
Function	disease:Haploinsufficiency of WBSCR14 may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS) [MIM:194050]. WBS is a rare developmental disorder. It is a contiguous gene deletion syndrome involving genes from chromosome band 7q11.23.,function:Transcriptional repressor. Binds to the canonical and non-canonical E box sequences 5'-CACGTG-3',similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subunit:Binds DNA as a heterodimer with TCFL4/MLX.,tissue specificity:Expressed in liver, heart, kidney, cerebellum and intestinal tissues.,



Background

This gene encodes a basic helix-loop-helix leucine zipper transcription factor of the Myc/Max/Mad superfamily. This protein forms a heterodimeric complex and binds and activates, in a glucose-dependent manner, carbohydrate response element (ChoRE) motifs in the promoters of triglyceride synthesis genes. The gene is deleted in Williams-Beuren syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at chromosome 7q11.23. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015],

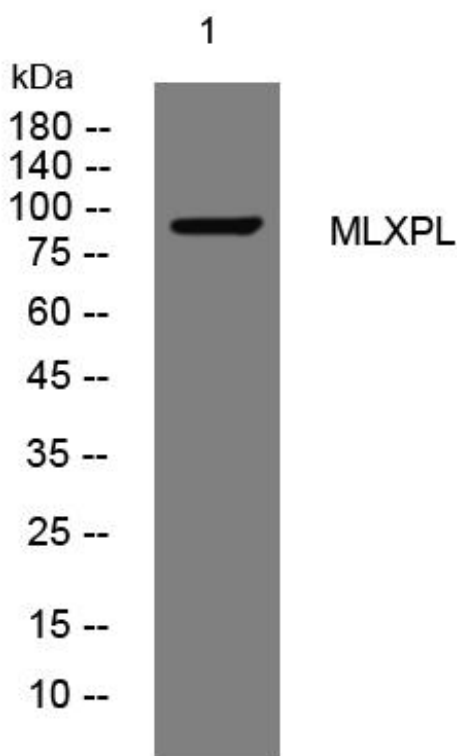
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MLXPL mouse mAb