Best Tools for immunology Research

MLXPL rabbit pAb

Catalog No :	YT6797
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	MLXPL
Fields :	>>Insulin resistance;>>Non-alcoholic fatty liver disease
Gene Name :	MLXIPL BHLHD14 MIO WBSCR14
Protein Name :	MLXPL
Human Gene Id :	51085
Human Swiss Prot No :	Q9NP71
Mouse Gene Id :	58805
Mouse Swiss Prot No :	Q99MZ3
Rat Gene Id :	171078
Rat Swiss Prot No :	Q8VIP2
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
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)

Molecularweight : 94kD

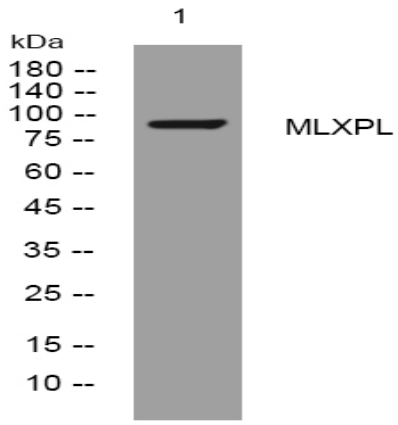
Background : This gene encodes a basic helix-loop-helix leucine zipper transcription factor of the Myc/Max/Mad superfamily. This protein forms a heterodimeric complex and binds and activates, in a glucose-dependent manner, carbohydrate response element (ChoRE) motifs in the promoters of triglyceride 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],

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.,

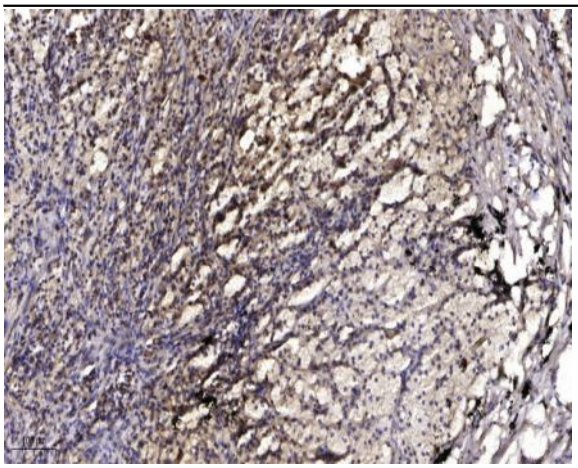
Subcellular Location : Nucleus.

Expression : Expressed in liver, heart, kidney, cerebellum and intestinal tissues.

Products Images



Western blot analysis of lysates from Hela cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).