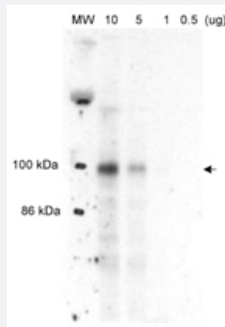


MLXIPL polyclonal antibody

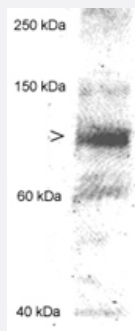
Catalog # PAB12520 Size 100 uL

Applications



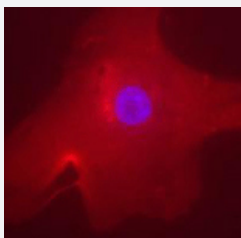
Western Blot (Tissue lysate)

Western blot analysis of MLXIPL in liver nuclear extracts from well-fed rats. 7% SDS gel, 1 : 1,000 dilution of MLXIPL polyclonal antibody (Cat # PAB12520). Photo courtesy of Dr. Uyeda, UT Southwestern University.



Western Blot (Cell lysate)

Western blot analysis of MLXIPL in 20 ug of human hepatocyte lysate using MLXIPL polyclonal antibody (Cat # PAB12520). 5-10 second film exposure.



Immunofluorescence

Immunofluorescent staining of MLXIPL in human hepatocyte using MLXIPL polyclonal antibody (Cat # PAB12520). Overlay staining of MLXIPL (rhodamine red) and DAPI nuclear staining (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of MLXIPL.

Immunogen

A synthetic peptide corresponding to amino acids 800-852 of human MLXIPL.

Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to ChREBP.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunofluorescence (1:100-1:500) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-citrate/phosphate buffer, pH 7.0-8.0 (0.01% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- ChIP

- Western Blot (Tissue lysate)

Western blot analysis of MLXIPL in liver nuclear extracts from well-fed rats. 7% SDS gel, 1 : 1,000 dilution of MLXIPL polyclonal antibody (Cat # PAB12520). Photo courtesy of Dr. Uyeda, UT Southwestern University.

- Western Blot (Cell lysate)

Western blot analysis of MLXIPL in 20 ug of human hepatocyte lysate using MLXIPL polyclonal antibody (Cat # PAB12520). 5-10 second film exposure.

- Immunofluorescence

Immunofluorescent staining of MLXIPL in human hepatocyte using MLXIPL polyclonal antibody (Cat # PAB12520). Overlay staining of MLXIPL (rhodamine red) and DAPI nuclear staining (blue).

Gene Info — MLXIPL

Entrez GeneID	51085
Gene Name	MLXIPL
Gene Alias	CHREBP, MIO, MONDOB, WBSCR14, WS-bHLH, bHLHd14

Gene Description	MLX interacting protein-like
Omim ID	605678
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	Mlx interactor OTTHUMP00000160457 OTTHUMP00000160458 WS basic-helix-loop-helix leucine zipper protein Williams Beuren syndrome chromosome region 14 carbohydrate response element binding protein carbohydrate-responsive element-binding protein

Publication Reference

- [Deletion of ELOVL5 leads to fatty liver through activation of SREBP-1c in mice.](#)

Moon YA, Hammer RE, Horton JD.

Journal of Lipid Research 2009 Mar; 50(3):412.

Application: WB-Ti, Mouse, Mouse liver

- [Elevated hepatic fatty acid elongase-5 activity affects multiple pathways controlling hepatic lipid and carbohydrate composition.](#)

Wang Y, Torres-Gonzalez M, Tripathy S, Botolin D, Christian B, Jump DB.

Journal of Lipid Research 2008 Jul; 49(7):1538.

Application: WB-Ti, Rat, Rat liver

- [The presence of distal and proximal promoters for rat mitochondrial glycerol-3-phosphate acyltransferase.](#)

Aneja KK, Guha P, Shilpi RY, Chakraborty S, Schramm LM, Haldar D.

Archives of Biochemistry and Biophysics 2008 Feb; 470(1):35.

Application: ChIP, Rat, Rat liver cells (CRL-1442)

- [Prenatal exposure to a low-protein diet programs disordered regulation of lipid metabolism in the aging rat.](#)

Erhuma A, Salter AM, Sculley DV, Langley-Evans SC, Bennett AJ.

American Journal of Physiology. Endocrinology and Metabolism 2007 Jun; 292(6):E1702.

Application: WB-Ti, Rat, Rat liver

Disease

- [Alzheimer disease](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hypertriglyceridemia](#)
- [Insulin Resistance](#)
- [Lipid Metabolism Disorders](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Stroke](#)