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Datasheet for ABIN747488 anti-MLXIPL antibody (AA 81-180)



Overview

Quantity:	100 μL
Target:	MLXIPL
Binding Specificity:	AA 81-180
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLXIPL antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin- embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human WBSCR14/ChREBP
Isotype:	lgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.
Target Details	
Target:	MLXIPL

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Alternative Name:	WBSCR14 (MLXIPL Products)
Background:	Synonyms: ChREBP, bHLHd14, Carbohydrate responsive element binding protein, MIO, MLX
	interacting protein like, MIx interactor, MLXIPL, MONDOB, WBSCR 14, WBSCR14, Williams
	Beuren syndrome chromosome region 14, Williams Beuren syndrome chromosome region 14
	protein, WS basic helix loop helix leucine zipper protein, WS bHLH, MLXPL_HUMAN.
	Background: ChREBP (Carbohydrate responsive element binding protein) is a transcription
	factor playing a critical role in the nutrient and hormonal regulation of genes encoding enzymes
	of glucose metabolism and lipogenesis pathways. It contains several domains including a
	nuclear localization signal (NLS) near the N-terminus, polyproline domains, a basic helix-loop-
	helix leucine zipper (b/HLH/Zip) and a leucine zipper like (zip-like) domain.ChREBP is
	ubiquitously detected in various tissues, with highest expression in liver, kidney and white and
	brown adipose tissue. Under basal conditions ChREBP is localized in the cytosol, translocating
	into the nucleus upon high glucose stimulation following its dephosphorylation of serine 196.
Gene ID:	51085
Pathways:	Carbohydrate Homeostasis, Regulation of Carbohydrate Metabolic Process
Application Details	
Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

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Handling	
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months