Datasheet for ABIN919906

anti-MLXIPL antibody (AA 81-180) (Alexa Fluor 647)

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Overview

Quantity:	100 µL
Target:	MLXIPL
Binding Specificity:	AA 81-180
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLXIPL antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

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

Target Details

Target:	MLXIPL
Alternative Name:	WBSCR14 (MLXIPL Products)

Target Details

Background:	Synonyms: ChREBP, bHLHd14, Carbohydrate responsive element binding protein, MIO, MLX interacting protein like, Mlx 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:	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:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date:	12 months