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Datasheet for ABIN2807530

## anti-MLXIPL antibody (AA 81-180) (AbBy Fluor® 594)

### Overview

Quantity:	100 µL
Target:	MLXIPL
Binding Specificity:	AA 81-180
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLXIPL antibody is conjugated to AbBy Fluor® 594
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 ( <a href="#">MLXIPL Products</a> )

## Target Details

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**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

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**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

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**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

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Expiry Date: 12 months