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Datasheet for ABIN910841

**anti-PPARGC1A antibody (AA 151-250) (Alexa Fluor 555)**

## Overview

Quantity:	100 µL
Target:	PPARGC1A
Binding Specificity:	AA 151-250
Reactivity:	Human, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPARGC1A antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PGC1 alpha
Isotype:	IgG
Cross-Reactivity:	Human, Pig, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	PPARGC1A
Alternative Name:	PGC1 alpha ( <a href="#">PPARGC1A Products</a> )

## Target Details

Background:	<p>Synonyms: LEM6, Ligand effect modulator 6, PERC, Peroxisome proliferative activated receptor, gamma, coactivator 1 alpha, Peroxisome proliferative activated receptor, gamma, coactivator 1, Peroxisome proliferator activated receptor gamma coactivator 1 alpha, peroxisome proliferator-activated receptor gamma coactivator 1 beta, Peroxisome proliferator-activated receptor gamma coactivator 1-alpha, Peroxisome proliferator-activated receptor gamma coactivator 1-beta, peroxisome proliferator-activated receptor gamma, coactivator 1 beta, PGC 1 alpha, PGC 1 alpha, PGC 1v, PGC-1beta, PGC-1-alpha, PGC-1-beta, PGC-1-related estrogen receptor alpha coactivator, PGC1, PGC1alpha, PGC1A, PGC1v, PPAR gamma coactivator 1 alpha, PPAR gamma coactivator 1 alpha 3 ligand effect modulator 6, PPAR gamma coactivator 1, PPAR gamma coactivator variant form, PPAR gamma coactivator-1beta, PPAR-gamma coactivator 1-alpha, PPAR-gamma coactivator 1-beta, PPARGC 1 alpha, PPARGC-1-alpha, PPARGC-1-beta, PPARGC1, PPARGC1A, Ppargc1b, PRGC1_HUMAN, PRGC2_HUMAN.</p> <p>Background: The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARgamma, which permits the interaction of this protein with multiple transcription factors. This protein can interact with, and regulate the activities of, cAMP response element binding protein (CREB) and nuclear respiratory factors (NRFs). It provides a direct link between external physiological stimuli and the regulation of mitochondrial biogenesis, and is a major factor that regulates muscle fiber type determination. This protein may be also involved in controlling blood pressure, regulating cellular cholesterol homoeostasis, and the development of obesity. [provided by RefSeq].</p>
Molecular Weight:	91-110kDa
Gene ID:	10891
UniProt:	<a href="#">Q9UBK2</a>
Pathways:	<a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Brown Fat Cell Differentiation</a>

## Application Details

Application Notes:	FCM 1:20-100 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.
Expiry Date:	12 months