Datasheet for ABIN7163013

anti-PPARG antibody (AA 1-477)

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2 Images

Overview

Quantity:	100 µg
Target:	PPARG
Binding Specificity:	AA 1-477
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPARG antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Peroxisome proliferator-activated receptor gamma protein (1-477AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PPARG
Alternative Name:	PPARG (PPARG Products)
Background:	Background: Nuclear receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Once activated by a ligand, the nuclear receptor binds to DNA specific PPAR

Target Details

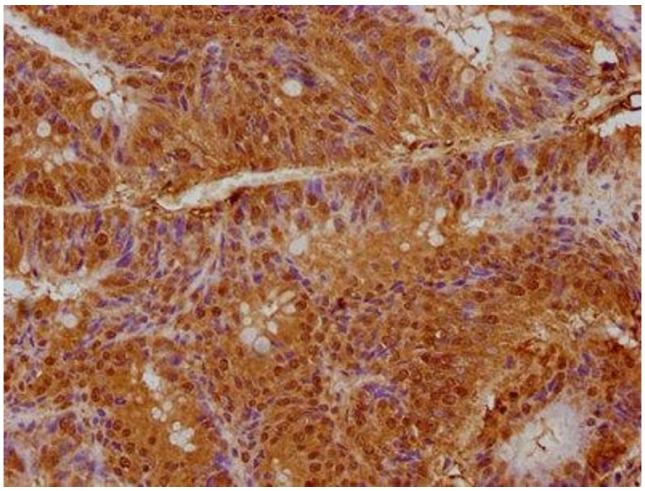
	response elements (PPRE) and modulates the transcription of its target genes, such as acyl-CoA oxidase. It therefore controls the peroxisomal beta-oxidation pathway of fatty acids. Key regulator of adipocyte differentiation and glucose homeostasis. ARF6 acts as a key regulator of the tissue-specific adipocyte P2 (aP2) enhancer. Acts as a critical regulator of gut homeostasis by suppressing NF-kappa-B-mediated proinflammatory responses. Aliases: CIMT1 antibody, GLM1 antibody, NR1C3 antibody, Nuclear receptor subfamily 1 group C member 3 antibody, OTTHUMP00000185032 antibody, OTTHUMP00000185036 antibody, Peroxisome proliferator activated nuclear receptor gamma variant 1 antibody, Peroxisome proliferator activated receptor gamma 1 antibody, Peroxisome Proliferator Activated Receptor gamma antibody, Peroxisome proliferator-activated receptor gamma antibody, PPAR gamma antibody, PPAR-gamma antibody, PPARG antibody, PPARG_HUMAN antibody, PPARG1 antibody, PPARG2 antibody, PPARgamma antibody
UniProt:	P37231
Pathways:	MAPK Signaling, Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway, Negative Regulation of Hormone Secretion, Carbohydrate Homeostasis, Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Endopeptidase Activity, Brown Fat Cell Differentiation, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only

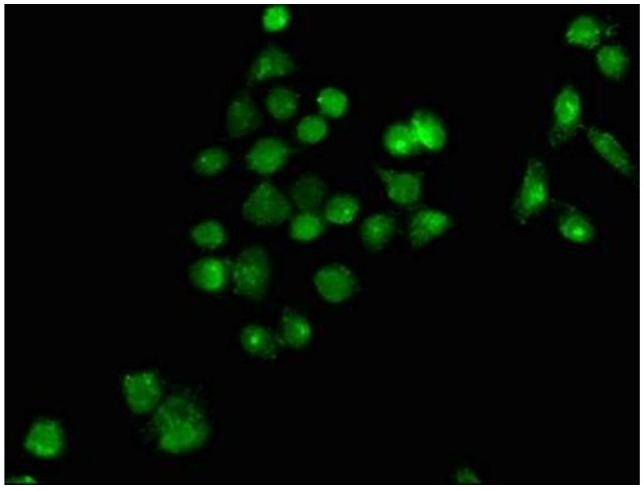
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7163013 diluted at 1:200 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 2. Immunofluorescence staining of PC-3 cells with ABIN7163013 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

