Datasheet for ABIN669711

anti-PPARG antibody (AA 101-200)

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Overview

Quantity:	100 µL
Target:	PPARG
Binding Specificity:	AA 101-200
Reactivity:	Human, Mouse, Rat, Cow, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPARG antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), 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 PPAR Gamma
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat, Sheep
Predicted Reactivity:	Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PPARG

Target Details

Alternative Name:	PPAR gamma (PPARG Products)
Background:	Synonyms: PPAR Gamma, CIMT1, HUMPPARG, NR1C3, Nuclear receptor subfamily 1 group C member 3, PAX8/PPARG Fusion Gene, Peroxisome Prolerator Activated Receptor gamma, PPAR gamma, PPARG, PPARG1, PPARG2, PPARG3, CIMT1, GLM1, HUMPPARG, NR1C3, Nuclear receptor subfamily 1 group C member 3, PAX8/PPARG Fusion Gene, Peroxisome prolerator activated nuclear receptor gamma variant 1, Peroxisome prolerator activated receptor gamma 1, Peroxisome Prolerator Activated Receptor gamma, Peroxisome prolerator-activated receptor gamma, PPAR gamma, PPAR-gamma, PPARG, PPARG_HUMAN, PPARG1, PPARG2, PPARG3, PPAR gamma 1, PPAR gamma 2, PPAR gamma 3, PPAR gamma-1, PPAR gamma-2, PPAR gamma-3. Background: The PPAR gamma antibody mainly is exist in the white fat organization, the fat for the PPAR gamma is born, blood sugar stability, the disease respond, the artery gruel kind hardens to rise the important function with the tumor occurrence of etc. all, but concerning the PPAR gamma to bone of function is a new research heat to order in recent years.A PPAR of many researches report gamma was go together with the body is after activate can the function promote many capable cells divided to increase to living but repress the ossification cell to divide to cause the bone measure the decrease or bone softs toward the fat cell in the marrow, the PPAR gamma promotes the ability and bones that the fat cell divide metabolize closely related, the performance is increasing along with the growth marrow fat content of the age, the ossification cell metabolism the outcome reduce, the different construction PPAR gamma 2 have the important function.
Molecular Weight:	52kDa
Gene ID:	5468
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:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100

Application Details

	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
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
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

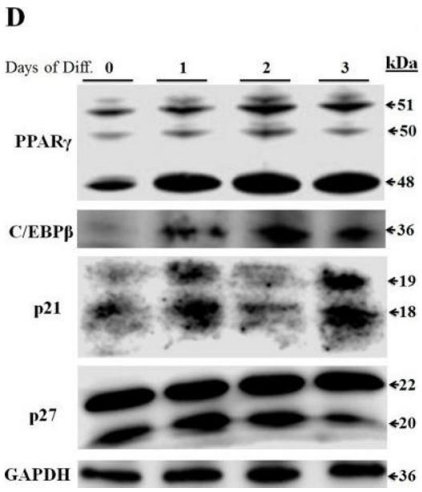
Publications

Product cited in:	Abdalla, Li, Nie: "A Novel DNA Methyltransferase Dnmt3a3 Splice Variant Represses Preadipocyte Proliferation and Differentiation." in: **Frontiers in genetics**, Vol. 11, pp. 115, (2020) (PubMed). Yang, Tang, Wang, Zhang, Zan: "Melatonin promotes triacylglycerol accumulation via MT2 receptor during differentiation in bovine intramuscular preadipocytes." in: **Scientific reports**, Vol. 7, Issue 1, pp. 15080, (2019) (PubMed). Zhang, Zhou, Guo, Song, Liu: "1,25-Dihydroxyvitamin D Promotes High Glucose-Induced M1 Macrophage Switching to M2 via the VDR-PPARγ Signaling Pathway." in: **BioMed research international**, Vol. 2015, pp. 157834, (2016) (PubMed). Zhang, Yang, Zhao, Han, Liu, Zhao, Wang, Zhang, Xu: "Correlation between TSP-1, TGF-? and

Publications

PPAR-? expression levels and glioma microvascular density." in: **Oncology letters**, Vol. 7, Issue 1, pp. 95-100, (2013) (PubMed).

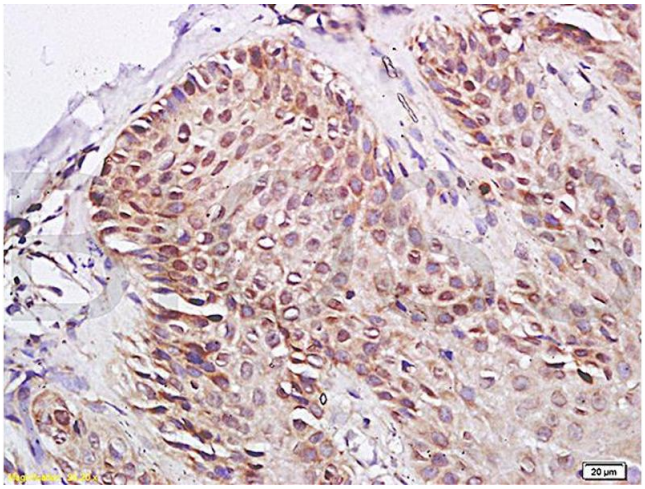
Images



Western Blotting

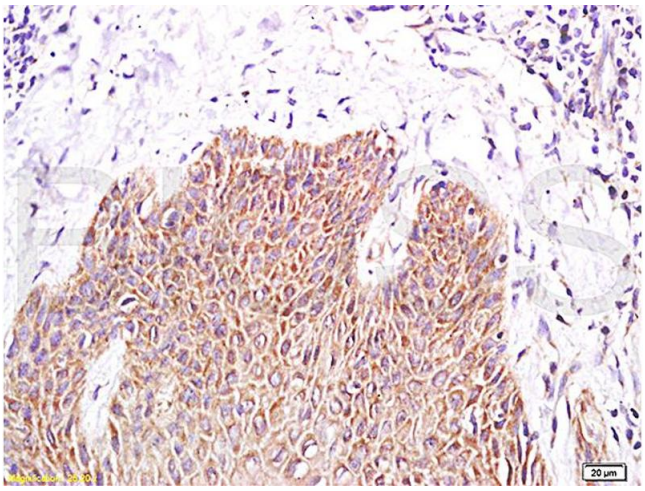
Image 1. Expression of Dnmt3a spliced variants in adipose tissues and during the time-course analysis of preadipocyte differentiation. (A) Relative mRNA abundance of Dnmt3a3, Dnmt3a, Dnmt3a1, C/EBPα, and PPARγ in young and adult chicken adipose tissues. Values are expressed as mean ± s.e.m. (*P < 0.05 and **P < 0.01). AF, abdominal fat. (B) Oil-Red-O staining of chicken primary preadipocyte cells differentiated for three days. The Oil-Red-O stain is used to demonstrate adipocytes and neutral triglycerides. Images were taken at the indicated time points. Diff., differentiation. Scale bar: 40 μm. (C) The mRNA levels of Dnmt3a variant transcripts (Dnmt3a3, Dnmt3a, and Dnmt3a1), preadipocyte differentiation markers (C/EBPα, PPARγ, and C/EBPβ), and cell cycle control genes (p21 and p27) were analyzed using qRT-PCR. Total RNA was extracted from the cells during differentiation at the indicated time points. Results are shown as mean ± s.e.m. (*P < 0.05, **P < 0.01, ***P < 0.001, and **** P < 0.0001). (D) Protein expression of PPARγ, C/EBPβ, p21, and p27 during the time-course analysis of preadipocyte differentiation. The protein expression was detected using Western blotting. The cells were harvested during differentiation at the indicated time points. The 48- and 51- kDa bands representing PPARγ1 and PPARγ2, respectively, and the 18- kDa band of p21 and 22- kDa band of p27, were illustrated. The other bands may be formed from alternative splicing. (E) Band intensity analysis of Western blot to calculate the level of each protein during differentiation was carried using ImageJ v1.51j8 software

(National Institutes of Health). Values are expressed as mean ± s.e.m. (*P < 0.05 and **P < 0.01). GAPDH was used as the loading control. - figure provided by CiteAb. Source: PMID32158470



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human skin psoriasis labeled with Rabbit Anti- PPARrPolyclonal Antibody, unconjugated (ABIN669711) at 1: 200 followed by incubation with conjugated secondary antibody and DAB staining



Immunohistochemistry

Image 3. Formalin-fixed and paraffin-embedded human skin psoriasis labeled with Rabbit Anti- PPARr Polyclonal Antibody, Unconjugated (ABIN669711) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the product details page for more images. Overall 5 images are available for ABIN669711.