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Datasheet for ABIN701620

anti-PPARA antibody (AA 301-400)

5 Images

1 Publication

Overview

Quantity:	100 µL
Target:	PPARA
Binding Specificity:	AA 301-400
Reactivity:	Human, Mouse, Rat, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPARA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

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

Target Details

Target:	PPARA
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Target Details

Alternative Name: Ppar alpha ([PPARA Products](#))

Background: Synonyms: PPAR, NR1C1, hPPAR, PPARalpha, Peroxisome proliferator-activated receptor alpha, PPAR-alpha, Nuclear receptor subfamily 1 group C member 1, PPARA
Background: Ligand-activated transcription factor. Key regulator of lipid metabolism. Activated by the endogenous ligand 1-palmitoyl-2-oleoyl-sn-glycerol-3-phosphocholine (16:0/18:1-GPC). Activated by oleylethanolamide, a naturally occurring lipid that regulates satiety. Receptor for peroxisome proliferators such as hypolipidemic drugs and fatty acids. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the ACOX1 and P450 genes. Transactivation activity requires heterodimerization with RXRA and is antagonized by NR2C2. May be required for the propagation of clock information to metabolic pathways regulated by PER2.

Gene ID: 5465

UniProt: [Q07869](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
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.

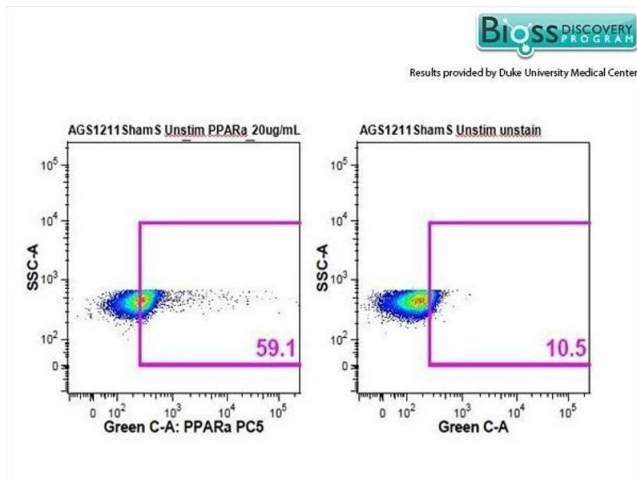
Handling

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

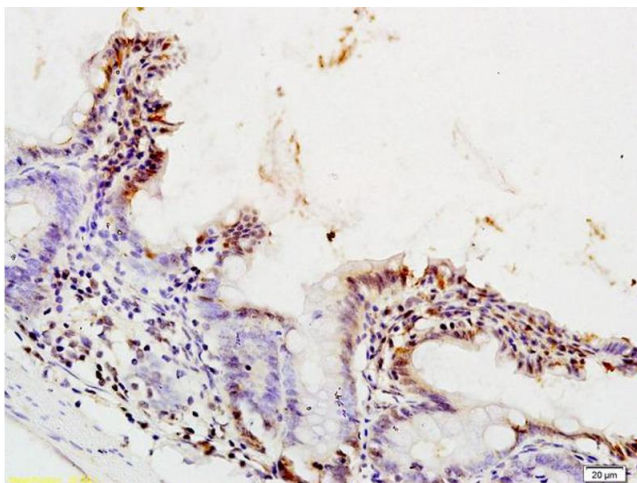
Product cited in: Renu, K B, Parthiban, S, George, P B, Suman, V G, Arunachalam: "Elevated lipolysis in adipose tissue by doxorubicin via PPAR α activation associated with hepatic steatosis and insulin resistance." in: **European journal of pharmacology**, Vol. 843, pp. 162-176, (2019) ([PubMed](#)).

Images



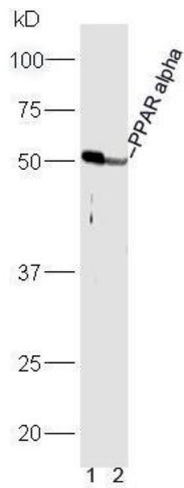
Flow Cytometry

Image 1. Arctic Ground Squirrel splenocytes stained with Anti-PPAR alpha Polyclonal Antibody, PE-CY5 Conjugated at 1:50.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat colon tissue labeled with Anti-PPAR alpha Polyclonal Antibody, Unconjugated (ABIN701620) at 1:200 followed by conjugation to the secondary antibody



Western Blotting

Image 3. Lane 1: Mouse heart lysates Lane 2: Mouse liver lysates probed with Rabbit Anti-PPAR alpha Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN701620.