DATASHEET

PPAR alpha Mouse Monoclonal Antibody(C2915)

CAT. NO. AMA02527

KEY FEATURES

Target	PPAR alpha	Source / Host	Mouse
Reactivity	Human, Monkey	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

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 a 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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to PPAR alpha
Specificity	Recognizes endogenous levels of PPAR alpha protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PPAR alpha expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 52 kD; Observed: 52 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NR1C1; PPAR; Peroxisome proliferator-activated receptor alpha; PPAR-alpha; Nuclear receptor subfamily 1 group C member 1
Gene Symbol	PPARA
Entrez Gene	5465(Human)
SwissProt	Q07869(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

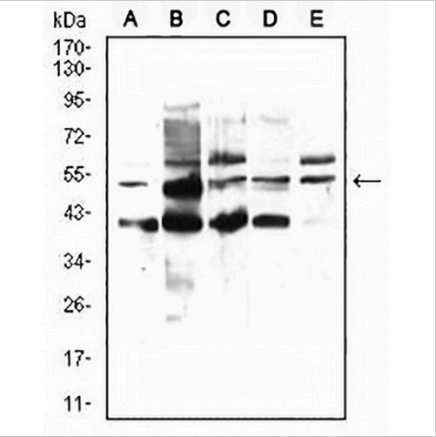
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

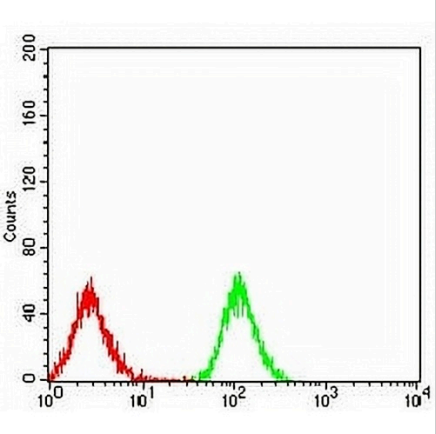
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Western blot analysis of PPAR alpha expression in HepG2 (A), HEK293 (B), COS7 (G), HepG2 (D), Jurkat (E) whole cell lysates. (Predicted band size: 52 kD; Observed band size: 52 kD kD)



Flow cytometric analysis of Jurkat cells using Anti-PPAR alpha Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.