Datasheet for ABIN656834

anti-PPARA antibody (AA 153-181)

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Overview

Quantity:	400 µL
Target:	PPARA
Binding Specificity:	AA 153-181
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPARA antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This PPARA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 153-181 amino acids from the Central region of human PPARA.
Clone:	RB21340
Isotype:	Ig Fraction
Predicted Reactivity:	Rat, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PPARA
Alternative Name:	PPARA (PPARA Products)

Target Details

Background:	Peroxisome proliferators include hypolipidemic drugs, herbicides, leukotriene antagonists, and plasticizers, this term arises because they induce an increase in the size and number of peroxisomes. Peroxisomes are subcellular organelles found in plants and animals that contain enzymes for respiration and for cholesterol and lipid metabolism. The action of peroxisome proliferators is thought to be mediated via specific receptors, called PPARs, which belong to the steroid hormone receptor superfamily. PPARs affect the expression of target genes involved in cell proliferation, cell differentiation and in immune and inflammation responses. Three closely related subtypes (alpha, beta/delta, and gamma) have been identified. This gene encodes the subtype PPAR-alpha, which is a nuclear transcription factor. Multiple alternatively spliced transcript variants have been described for this gene, although the full-length nature of only two has been determined.
Molecular Weight:	52225
Gene ID:	5465
NCBI Accession:	NP_001001928, NP_005027
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: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	PPARA Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term

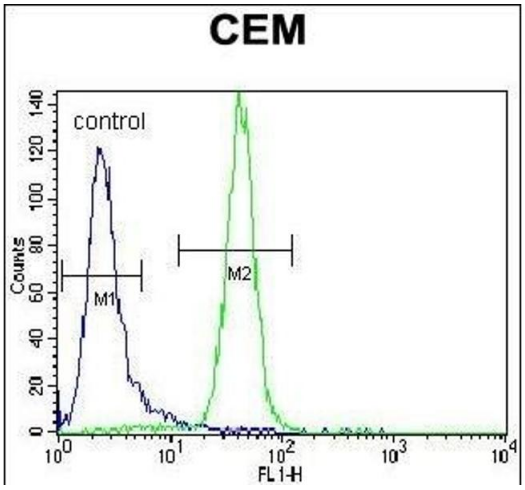
Handling

	storage, place the at -20 °C.
Expiry Date:	6 months

Publications

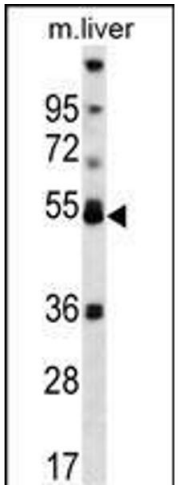
Product cited in:	Zhou, Wang, Yuan, Zhou, Liu, Wan, Zhang, Ding, Wang, Xiong, Wang, Yuan, Li, Zhang: "Mixed lineage leukemia 5 (MLL5) protein regulates cell cycle progression and E2F1-responsive gene expression via association with host cell factor-1 (HCF-1)." in: **The Journal of biological chemistry**, Vol. 288, Issue 24, pp. 17532-43, (2013) (PubMed).

Images



Flow Cytometry

Image 1. ARA Antibody (Center) (ABIN656834 and ABIN2846044) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. ARA Antibody (Center) (ABIN656834 and ABIN2846044) western blot analysis in mouse liver tissue lysates (35 µg/lane).This demonstrates the ARA antibody detected the ARA protein (arrow).