

## ARG55240 anti-PPAR alpha antibody [1331CT894.186.143]

Package: 100 µl, 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [1331CT894.186.143] recognizes PPAR alpha
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	1331CT894.186.143
Isotype	IgG1, kappa
Target Name	PPAR alpha
Species	Human
Immunogen	Recombination protein of Human PPAR alpha (Swiss: Q07869).
Conjugation	Un-conjugated
Alternate Names	hPPAR; NR1C1; Peroxisome proliferator-activated receptor alpha; PPAR; Nuclear receptor subfamily 1 group C member 1; PPAR-alpha; PPARalpha

### Application Instructions

Application table	Application	Dilution
	FACS	1:25
	ICC/IF	1:25
	IHC-P	1:25
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

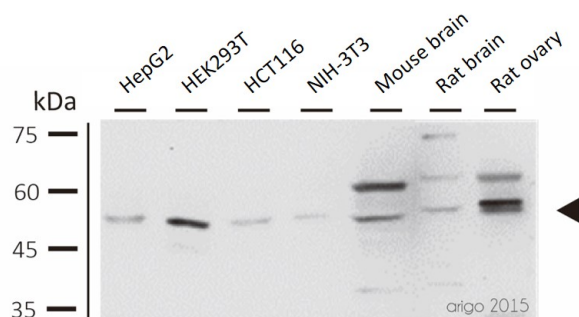
### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

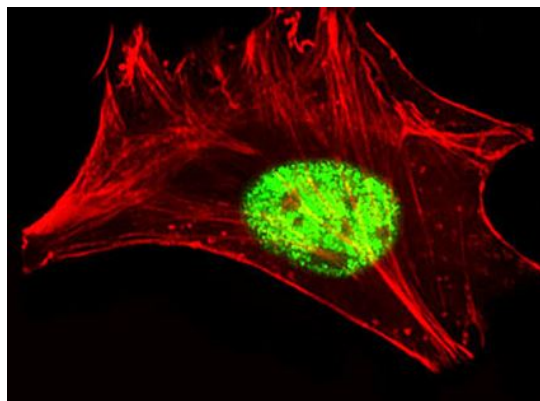
Gene Symbol	PPARA
Gene Full Name	peroxisome proliferator-activated receptor alpha
Background	Peroxisome proliferators include hypolipidemic drugs, herbicides, leukotriene antagonists, and plasticizers; this term arises because they induce an increase in the size and number of peroxisomes. Peroxisomes 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. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody; Metabolism antibody
Calculated Mw	52 kDa
Cellular Localization	Nucleus.

## Images



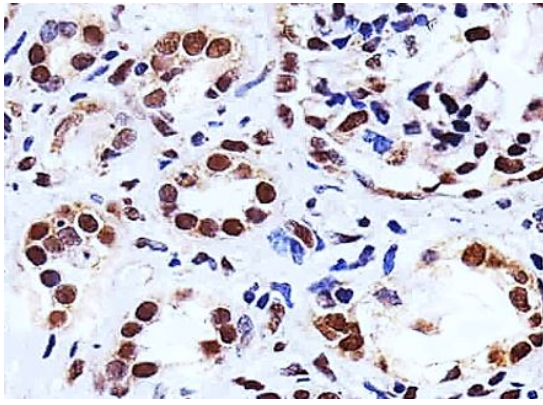
ARG55240 anti-PPAR alpha antibody [1331CT894.186.143] WB image

Western blot: 30 µg of HepG2, HEK293T, HCT116, NIH-3T3, Mouse brain, Rat brain and Rat ovary lysates stained with ARG55240 anti-PPAR alpha antibody [1331CT894.186.143] at 1:500 dilution.



ARG55240 anti-PPAR alpha antibody [1331CT894.186.143] ICC/IF image

Immunofluorescence: HeLa cells stained with ARG55240 anti-PPAR alpha antibody [1331CT894.186.143] (green) at 1:25 dilution. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



ARG55240 anti-PPAR alpha antibody [1331CT894.186.143] IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue stained with ARG55240 anti-PPAR alpha antibody [1331CT894.186.143] at 1:25 dilution.