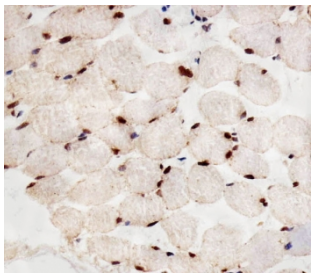
PPARA Antibody / PPAR alpha [clone 1331CT894.186.143] (F54334)

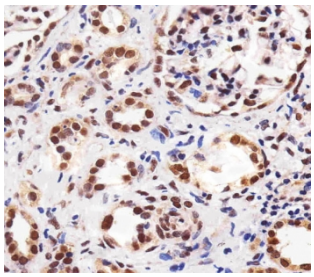
Catalog No.	Formulation	Size
F54334-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54334-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

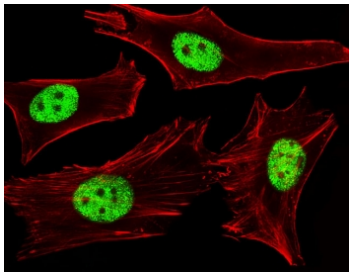
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1331CT894.186.143
Purity	Protein G affinity
UniProt	Q07869
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1:25 Immunofluorescence : 1:25 Flow Cytometry : 1:25 (1x10e6 cells) Western Blot : 1:500-1:2000
Limitations	This PPARA antibody is available for research use only.



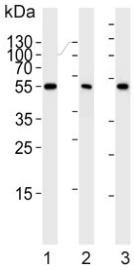
IHC testing of FFPE human skeletal muscle tissue with PPARA antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



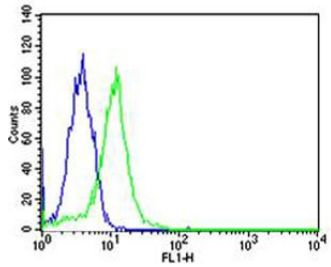
IHC testing of FFPE human kidney tissue with PPARA antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with PPARA antibody (green) and anti-Actin (red).



Western blot testing of 1) human HeLa, 2) human Jurkat and 3) mouse NIH 3T3 cell lysate with PPARA antibody. Predicted molecular weight ~52 kDa.



Flow cytometry testing of fixed and permeabilized human HeLa cells with PPARA antibody; Blue=isotype control, Green= PPARA antibody.

Description

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 (By similarity). 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the PPARA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A recombinant human protein was used as the immunogen for the PPARA antibody.

Storage

Aliquot the PPARA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.