abcam

Product datasheet

Anti-PPAR alpha (phospho S12) antibody ab3484

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概述

产品名称	Anti-PPAR alpha (phospho S12)**抗体**
描述	**兔多克隆抗体**to PPAR alpha (phospho S12)
宿主	Rabbit
特异性	The antibody is expected to bind both phospho and non phospho forms.
经测试应用	**适用于:** WB, ICC/IF
种属反应性	**与反应:** Mouse, Human **预测可用于:** Guinea pig, Dog
免疫原	Synthetic peptide corresponding to Mouse PPAR alpha aa 1-100 (phospho S12). Database link: **P23204** Run BLAST with Run BLAST with
阳性对照	WB: human U-87, MCF7, MDA-MB-231, C2C12, HepG2, and mouse NIH-3T3 ICC/IF: C2C12, 3T3-L1, U-87 MG cells
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab3484于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (2)	1/100 - 1/1000. Predicted molecular weight: 52 kDa.
ICC/IF	★★★★☆ (1)	1/100 - 1/500.

靶标

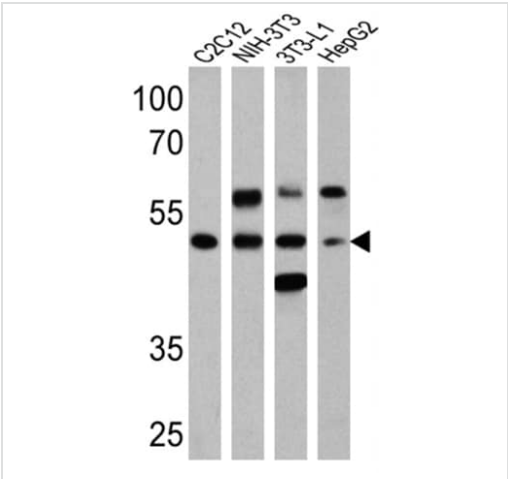
功能 Ligand-activated transcription factor. Key regulator of lipid metabolism. Activated by the endogenous ligand 1-palmitoyl-2-oleoyl-sn-glycerol-3-phosphocholine (16:0/18:1-GPC). Activated by oleylethanolamide, a naturally occurring lipid that regulates satiety (By similarity). Receptor for peroxisome 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.

组织特异性 Skeletal muscle, liver, heart and kidney.

序列相似性 Belongs to the nuclear hormone receptor family. NR1 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

细胞定位 Nucleus.

图片



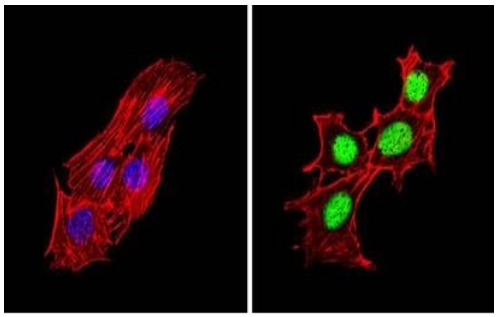
Western blot - Anti-PPAR alpha (phospho S12) antibody (ab3484)

All lanes : Anti-PPAR alpha (phospho S12) antibody (ab3484) at 1/200 dilution

Lane 1 : C2C12 cell lysate
Lane 2 : NIH-3T3 cell lysate
Lane 3 : 3T3-L1 cell lysate
Lane 4 : HepG2 cell lysate

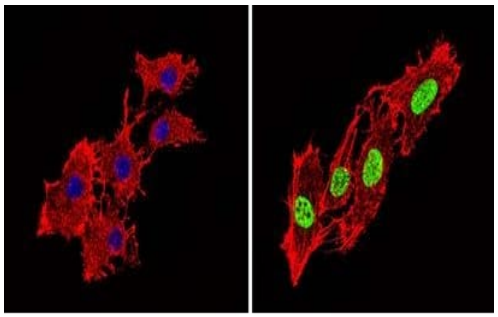
Lysates/proteins at 25 µg per lane.

Predicted band size: 52 kDa
Observed band size: 52 kDa



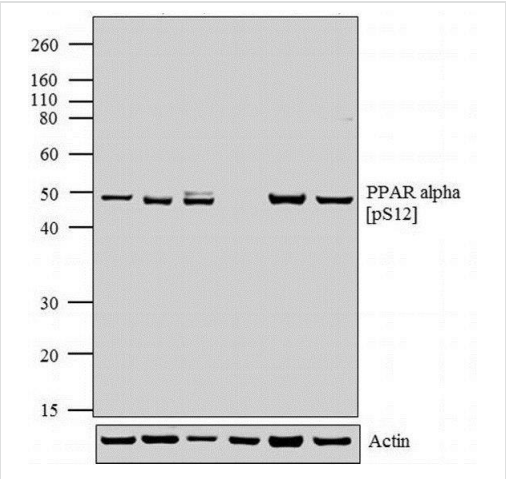
Immunocytochemistry/ Immunofluorescence - Anti-PPAR alpha (phospho S12) antibody (ab3484)

Immunofluorescent analysis of Phospho-PPAR alpha pSer12 (green) showing staining in the nucleus of C2C12 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Phospho-PPAR alpha pSer12 polyclonal antibody (ab3484) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4 ºC in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



Immunocytochemistry/ Immunofluorescence - Anti-PPAR alpha (phospho S12) antibody (ab3484)

Immunofluorescent analysis of Phospho-PPAR alpha pSer12 (green) showing staining in the nucleus of 3T3-L1 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Phospho-PPAR alpha pSer12 polyclonal antibody (ab3484) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4 ºC in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



Western blot - Anti-PPAR alpha (phospho S12) antibody (ab3484)

All lanes : Anti-PPAR alpha (phospho S12) antibody (ab3484) at 1/1000 dilution

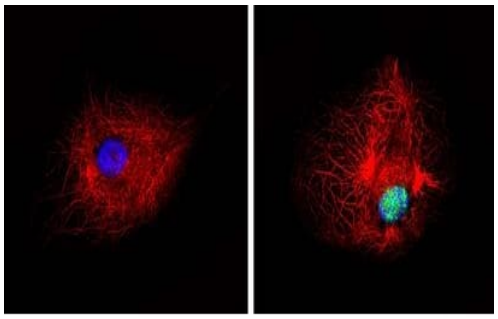
Lane 1 : U-87 MG with Skimmed milk
Lane 2 : MCF7 with Skimmed milk
Lane 3 : MDA-MB-231 with Skimmed milk
Lane 4 : C2C12 with Skimmed milk
Lane 5 : Hep G2 with Skimmed milk
Lane 6 : NIH/3T3 with Skimmed milk

Lysates/proteins at 20 µg per lane.

Blocking peptides at 5 % per lane.

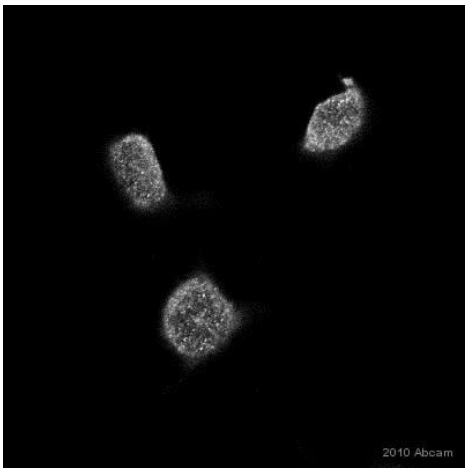
Secondary
All lanes : Goat anti-rabbit IgG (H+L) at 1/2500 dilution

Predicted band size: 52 kDa



Immunocytochemistry/ Immunofluorescence - Anti-PPAR alpha (phospho S12) antibody (ab3484)

Immunofluorescent analysis of Phospho-PPAR alpha pSer12 (green) showing staining in the nucleus of U-87 MG cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Phospho-PPAR alpha pSer12 polyclonal antibody (ab3484) in 3% BSA-PBS at a dilution of 1:200 and incubated overnight at 4 ºC in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



Immunocytochemistry/ Immunofluorescence - Anti-PPAR alpha (phospho S12) antibody (ab3484)
This image is courtesy of an anonymous Abreview

ab3484 staining PPAR alpha (phospho S12) in Mouse neuronal cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde and blocked with 10% serum for 20 minutes at 25°C. Samples were incubated with primary antibody (1/100 in PBS) for 18 hours at 4°C. A Cy2®-conjugated Donkey anti-rabbit IgG polyclonal (1/100) was used as the secondary antibody.

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