


Anti-PPAR alpha (phospho S12) antibody ab3484

★★★★☆ [4 Abreviews](#) [26 References](#) [画像数 6](#)

製品の概要

製品名	Anti-PPAR alpha (phospho S12) antibody
製品の詳細	Rabbit polyclonal to PPAR alpha (phospho S12)
由来種	Rabbit
特異性	The antibody is expected to bind both phospho and non phospho forms.
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Mouse, Human 交差が予測される動物種: 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
ポジティブ・コントロール	WB: human U-87, MCF7, MDA-MB-231, C2C12, HepG2, and mouse NIH-3T3 ICC/IF: C2C12, 3T3-L1, U-87 MG cells
特記事項	<p>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.</p> <p>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</p>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab3484の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★☆ (2)	1/100 - 1/1000. Predicted molecular weight: 52 kDa.
ICC/IF	★★★★☆ (1)	1/100 - 1/500.

ターゲット情報

機能

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.

組織特異性

Skeletal muscle, liver, heart and kidney.

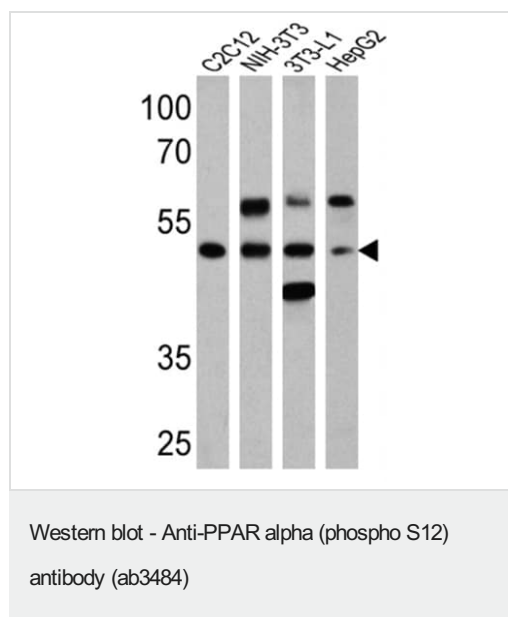
配列類似性

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

細胞内局在

Nucleus.

画像



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

Lane 1 : C2C12 cell lysate

Lane 2 : NIH-3T3 cell lysate

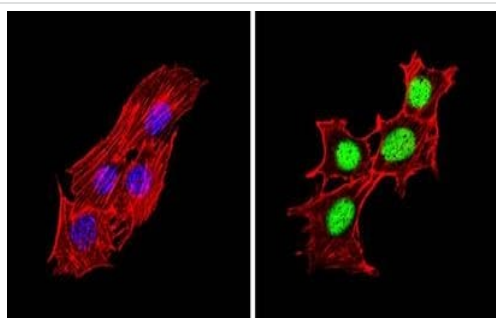
Lane 3 : 3T3-L1 cell lysate

Lane 4 : HepG2 cell lysate

Lysates/proteins at 25 µg per lane.

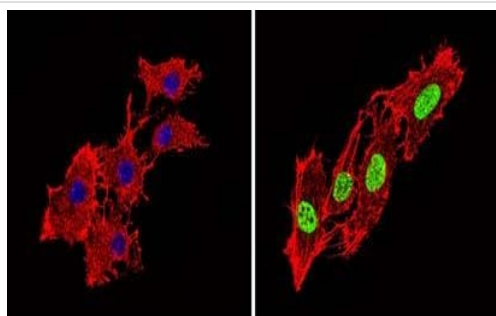
Predicted band size: 52 kDa

Observed band size: 52 kDa



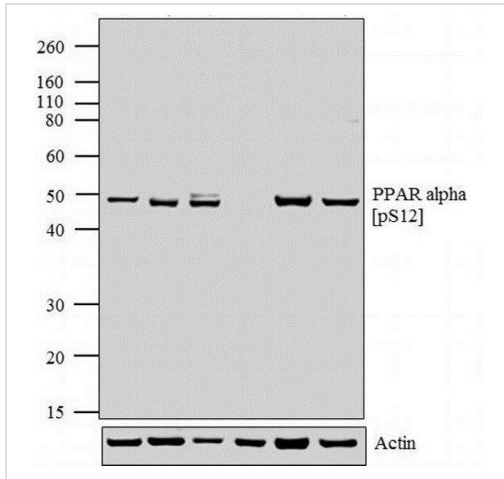
Immunocytochemistry/ Immunofluorescence - Anti-PPAR alpha (phospho S12) antibody (ab3484)

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 °C 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 °C 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

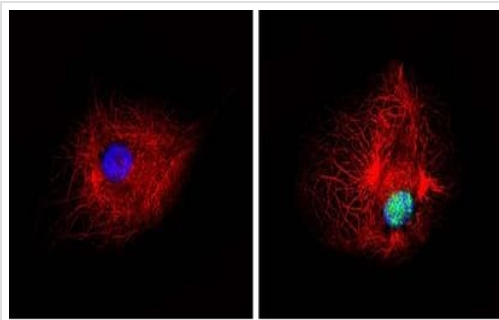
Lysates/proteins at 20 µg per lane.

Blocking peptides at 5 % per lane.

Secondary

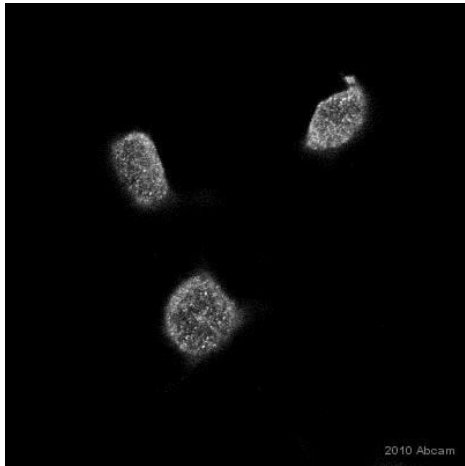
All lanes : Goat anti-rabbit IgG (H+L) at 1/2500 dilution

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 °C 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.



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.

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

This image is courtesy of an anonymous Abreview

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