

Product datasheet

Anti-PPAR alpha antibody [OT1E8] ab119416

[3 Images](#)

Overview

Product name	Anti-PPAR alpha antibody [OT1E8]
Description	Mouse monoclonal [OT1E8] to PPAR alpha
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment, corresponding to amino acids 145-420 of Human PPAR alpha.
Positive control	HEPG2 lysate, SVT2 lysate.
General notes	<p>The clone number has been updated from 1E8 to OT1E8, both clone numbers name the same clone.</p> <p>Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.30</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol, 1% BSA</p>
Purity	Protein G purified
Clonality	Monoclonal
Clone number	OT1E8
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab119416** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/200 - 1/500. Predicted molecular weight: 52.2 kDa.
ICC/IF		1/100.

Target

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 (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.

Tissue specificity

Skeletal muscle, liver, heart and kidney.

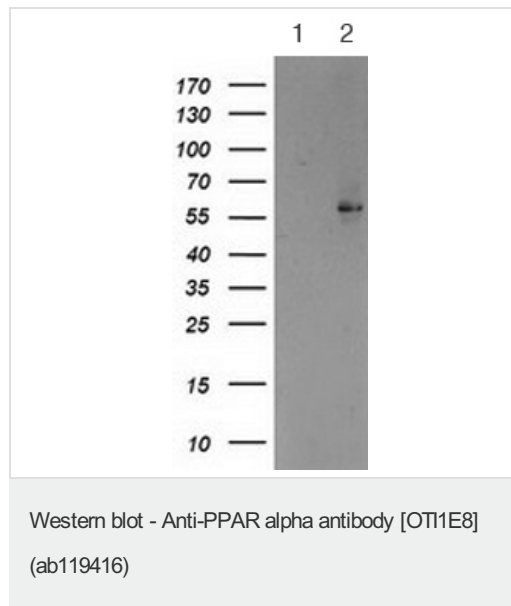
Sequence similarities

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

Cellular localization

Nucleus.

Images



All lanes : Anti-PPAR alpha antibody [OT1E8] (ab119416)

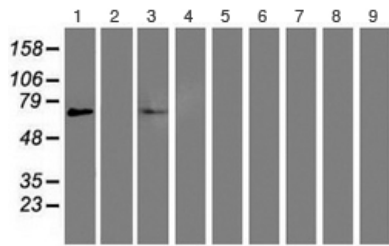
Lane 1 : HEK293T cells transfected with pCMV6-ENTRY control lysate

Lane 2 : HEK293T cells transfected with pCMV6-ENTRY PPARA lysate

Lysates/proteins at 5 µg per lane.

Predicted band size: 52.2 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC216176)



Western blot - Anti-PPAR alpha antibody [OT11E8] (ab119416)

All lanes : Anti-PPAR alpha antibody [OT11E8] (ab119416)

Lane 1 : HepG2 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : SVT2 cell lysate

Lane 4 : A549 cell lysate

Lane 5 : COS7 cell lysate

Lane 6 : Jurkat cell lysate

Lane 7 : MDCK cell lysate

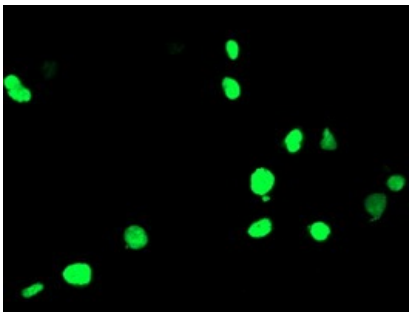
Lane 8 : PC12 cell lysate

Lane 9 : MCF7 cell lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 52.2 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC216176)



Immunocytochemistry/ Immunofluorescence - Anti-PPAR alpha antibody [OT11E8] (ab119416)

ab119416, staining PPAR alpha by immunocytochemistry on COS7 cells transiently transfected with pCMV6-ENTRY PPARA.

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