

## Product datasheet

# Anti-PPAR alpha antibody [OT1E8] ab119416

[3 Images](#)

### Overview

---

<b>Product name</b>	Anti-PPAR alpha antibody [OT1E8]
<b>Description</b>	Mouse monoclonal [OT1E8] to PPAR alpha
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 145-420 of Human PPAR alpha.
<b>Positive control</b>	HEPG2 lysate, SVT2 lysate.
<b>General notes</b>	<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

---

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

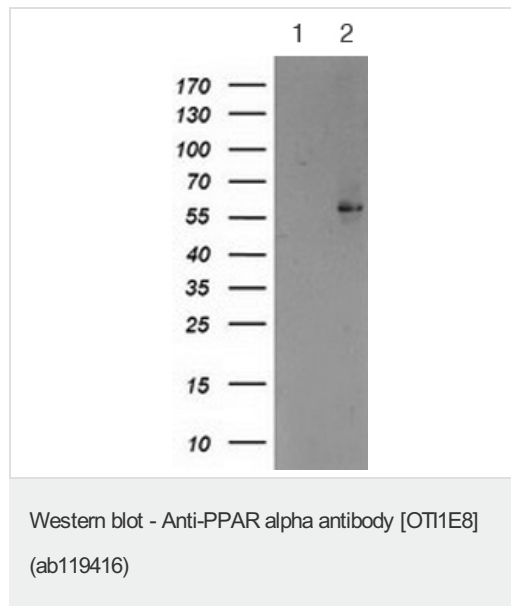
### Sequence similarities

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)

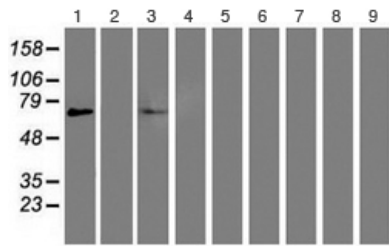
**Lane 1 :** HEK293T cells transfected with pCMV6-ENTRY control lysate

**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

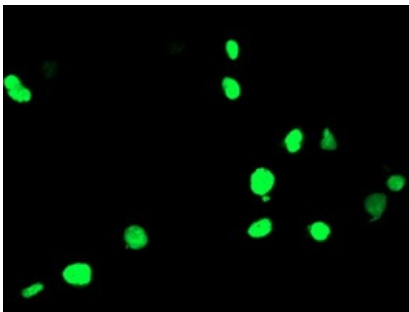
**Lane 8 :** PC12 cell lysate

**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.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors