

## Product datasheet

# Anti-PPAR delta antibody [EPR18517] ab178866

Recombinant **RabMAb**

[1 References](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-PPAR delta antibody [EPR18517]
<b>Description</b>	Rabbit monoclonal [EPR18517] to PPAR delta
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human PPAR delta aa 200-300. The exact sequence is proprietary. Database link: <a href="#">Q03181</a>
<b>Positive control</b>	WB: Human PPAR delta full length recombinant protein; Jurkat, K562, HeLa, C6 and NIH/3T3 whole cell lysates; Mouse brain, heart and spleen lysates; Rat brain, heart and kidney lysates. IP: NIH/3T3 whole cell lysate.
<b>General notes</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  This product is a <a href="#">recombinant rabbit monoclonal antibody</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR18517
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab178866** in the following tested applications.

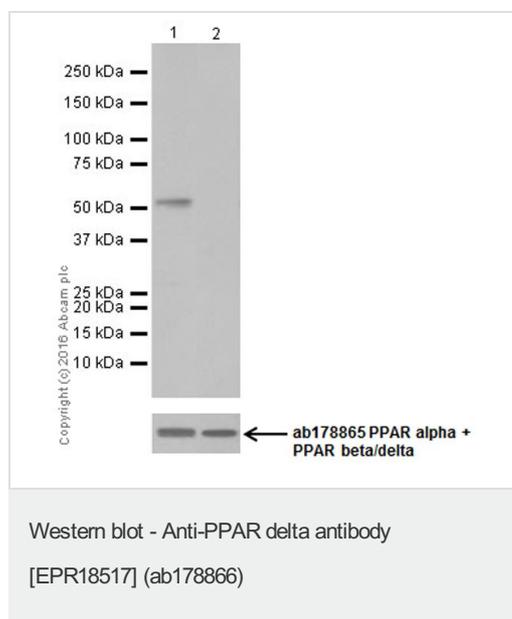
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 52 kDa (predicted molecular weight: 50 kDa).
IP		1/20.

## Target

<b>Function</b>	Ligand-activated transcription factor. Receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Has a preference for poly-unsaturated fatty acids, such as gamma-linoleic acid and eicosapentanoic acid. Once activated by a ligand, the receptor binds to promoter elements of target genes. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the acyl-CoA oxidase gene. Decreases expression of NPC1L1 once activated by a ligand.
<b>Tissue specificity</b>	Ubiquitous with maximal levels in placenta and skeletal muscle.
<b>Sequence similarities</b>	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
<b>Cellular localization</b>	Nucleus.

## Images



**All lanes :** Anti-PPAR delta antibody [EPR18517] (ab178866) at 1/1000 dilution

**Lane 1 :** Human PPAR delta full length recombinant protein

**Lane 2 :** Human PPAR alpha full length recombinant protein

Lysates/proteins at 0.01 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Predicted band size:** 50 kDa

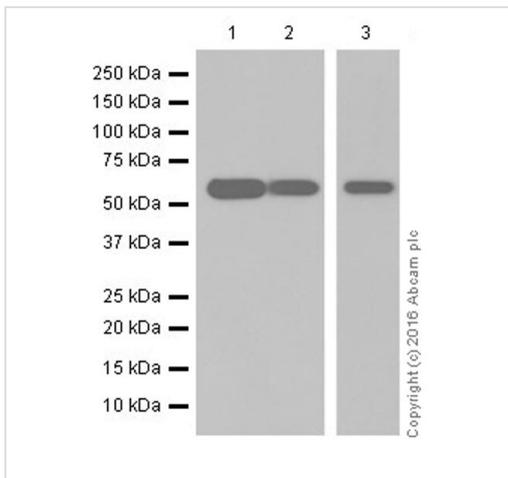
**Observed band size:** 52 kDa

[why is the actual band size different from the predicted?](#)

**Exposure time:** 5 seconds

Blocking/Dilution buffer: 5% NFD/MBST.

Human PPAR alpha full length recombinant protein contains aa1-468 with a His-Tag; Human PPAR delta full length recombinant protein contains aa1-441 with a His-Tag.



Western blot - Anti-PPAR delta antibody [EPR18517] (ab178866)

**All lanes :** Anti-PPAR delta antibody [EPR18517] (ab178866) at 1/1000 dilution

**Lane 1 :** Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

**Lane 2 :** K562 (Human chronic myelogenous leukemia cell line from bone marrow) whole cell lysate

**Lane 3 :** HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

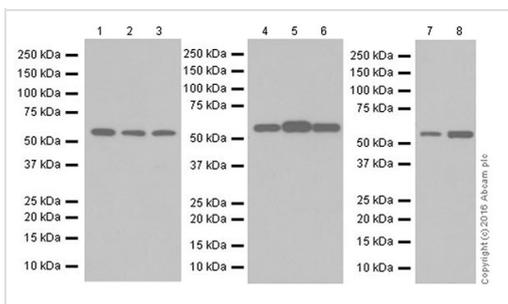
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

**Predicted band size:** 50 kDa

**Observed band size:** 52 kDa [why is the actual band size different from the predicted?](#)

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: Lane 1 and 2: 3 minutes; Lane 3: 15 seconds.



Western blot - Anti-PPAR delta antibody [EPR18517] (ab178866)

**All lanes :** Anti-PPAR delta antibody [EPR18517] (ab178866) at 1/1000 dilution

**Lane 1 :** Mouse brain lysate

**Lane 2 :** Mouse heart lysate

**Lane 3 :** Mouse spleen lysate

**Lane 4 :** Rat brain lysate

**Lane 5 :** Rat heart lysate

**Lane 6 :** Rat kidney lysate

**Lane 7 :** C6 (Rat glial tumor cell line) whole cell lysate

**Lane 8 :** NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

## Secondary

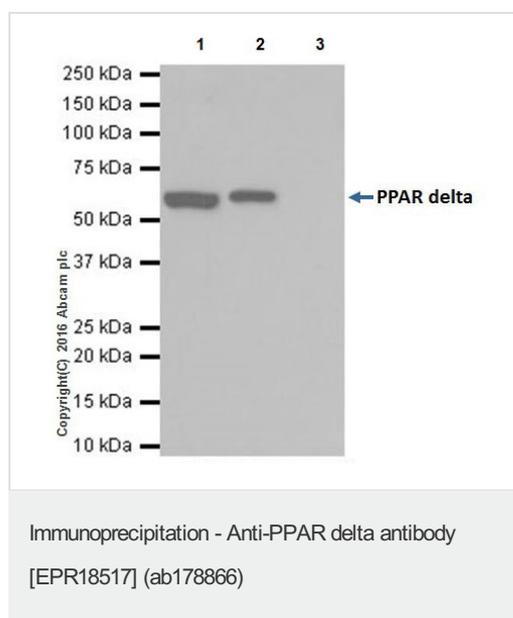
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

**Predicted band size:** 50 kDa

**Observed band size:** 52 kDa [why is the actual band size different from the predicted?](#)

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: Lane 1, 2, 3, 4, 5 and 6: 3 minutes; Lane 7 and 8: 10 seconds.



PPAR delta was immunoprecipitated from 0.35 mg of NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate with ab178866 at 1/20 dilution. Western blot was performed from the immunoprecipitate using ab178866 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10000 dilution.

Lane 1: NIH/3T3 whole cell lysate, 10µg (Input).

Lane 2: ab178866 IP in NIH/3T3 whole cell lysate.

Lane 3: Rabbit IgG, monoclonal [EPR25A]-Isotype Control ([ab172730](#)) instead of ab178866 in NIH/3T3 whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 30 seconds.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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