

## Product datasheet

# Anti-PSS-2 antibody [EPR14663] - C-terminal ab183504

Recombinant RabMAb

[1 References](#) [6 Images](#)

### Overview

<b>Product name</b>	Anti-PSS-2 antibody [EPR14663] - C-terminal
<b>Description</b>	Rabbit monoclonal [EPR14663] to PSS-2 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HepG2 lysates, Human fetal brain tissue lysate, Human fetal liver tissue lysate. IP: HeLa cells.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

### 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>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR14663
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183504 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 - 1/10000. Detects a band of approximately 52 kDa (predicted molecular weight: 56 kDa).
IP		1/30 - 1/70.

## Target

### Function

Catalyzes a base-exchange reaction in which the polar head group of phosphatidylethanolamine is replaced by L-serine.

### Pathway

Phospholipid metabolism; phosphatidylserine biosynthesis.

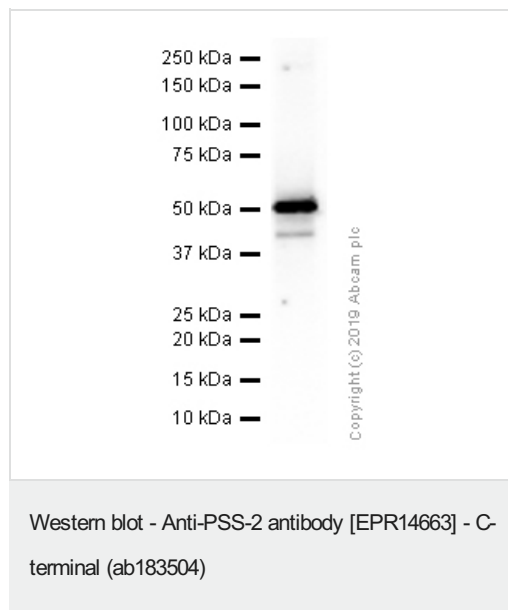
### Sequence similarities

Belongs to the phosphatidyl serine synthase family.

### Cellular localization

Membrane.

## Images



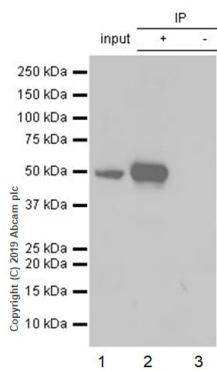
Anti-PSS-2 antibody [EPR14663] - C-terminal (ab183504) at 1/5000 dilution (Purified) + HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates at 15 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 56 kDa

**Observed band size:** 52 kDa



Immunoprecipitation - Anti-PSS-2 antibody  
[EPR14663] - C-terminal (ab183504)

ab183504 (purified ) at 1/30 dilution (2ug) immunoprecipitating PSS-2 in HeLa whole cell lysate.

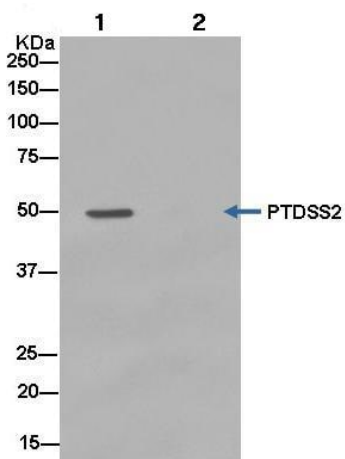
Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10ug

Lane 2 (+): ab183504 & HeLa whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab183504 in HeLa whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000 dilution.

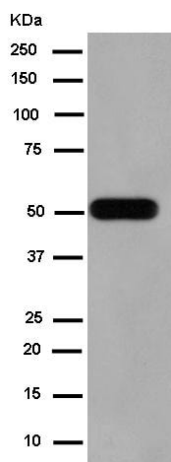
Blocking and diluting buffer: 5% NFDm/TBST.



Immunoprecipitation - Anti-PSS-2 antibody  
[EPR14663] - C-terminal (ab183504)

Immunoprecipitation analysis of HepG2 cells labeling PSS-2 using ab183504 at 1/50 dilution (lane 1). A Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 was used as secondary antibody.

Rabbit monoclonal IgG (**ab172730**) instead of ab183504 in HepG2 whole cell lysate (Lane 2)



Western blot - Anti-PSS-2 antibody [EPR14663] - C-terminal (ab183504)

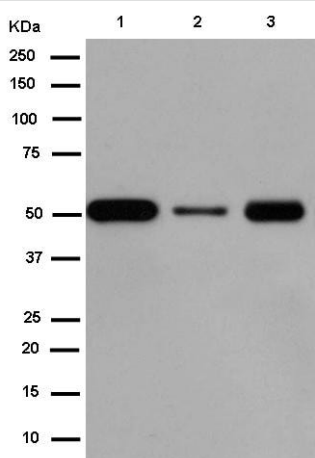
Anti-PSS-2 antibody [EPR14663] - C-terminal (ab183504) at 1/10000 dilution + HeLa cell line lysate at 20 µg

**Secondary**

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated antibody at 1/1000 dilution

**Predicted band size:** 56 kDa

**Observed band size:** 52 kDa



Western blot - Anti-PSS-2 antibody [EPR14663] - C-terminal (ab183504)

**All lanes :** Anti-PSS-2 antibody [EPR14663] - C-terminal (ab183504) at 1/2000 dilution

**Lane 1 :** HepG2 cell line lysate

**Lane 2 :** Human fetal brain tissue lysate

**Lane 3 :** Human fetal liver tissue lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

**Lane 1 :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated antibody at 1/1000 dilution

**Lanes 2-3 :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated

**Predicted band size:** 56 kDa

**Observed band size:** 52 kDa

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-PSS-2 antibody [EPR14663] - C-terminal  
(ab183504)

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

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