

## Product datasheet

# Anti-PDK1 + PDK2 + PDK4 antibody [EPR19727] ab208187

Recombinant RabMAb

[4 Images](#)

### Overview

<b>Product name</b>	Anti-PDK1 + PDK2 + PDK4 antibody [EPR19727]
<b>Description</b>	Rabbit monoclonal [EPR19727] to PDK1 + PDK2 + PDK4
<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, Recombinant fragment
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Mouse PDK4, PDK1 and PDK2 recombinant proteins; mouse skeletal muscle, heart and liver lysates; C2C12 and HepG2 whole cell lysates; human and rat heart lysates; gastrocnemius muscle lysate from un-starved mouse and mouse starved for 72 hours; heart lysate from un-starved mouse and mouse starved for 72 hours. IP: Mouse skeletal muscle whole cell lysate.
<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>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
<b>Purity</b>	Protein A purified

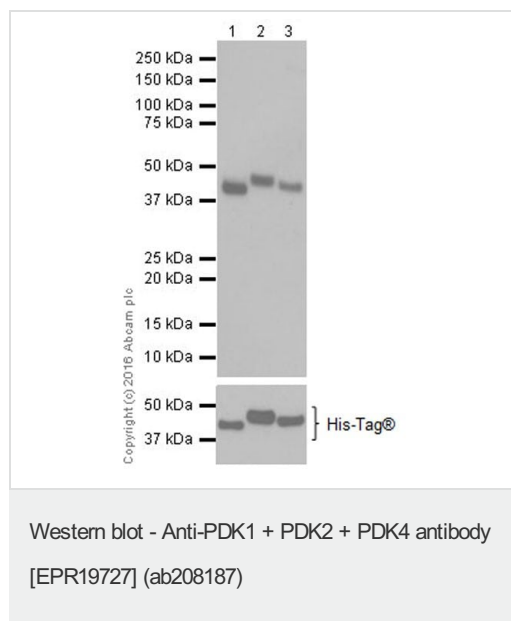
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR19727
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab208187 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
<b>WB</b>		1/1000. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa).
<b>IP</b>		1/30.

## Images



**All lanes** : Anti-PDK1 + PDK2 + PDK4 antibody [EPR19727] (ab208187) at 1/10000 dilution

**Lane 1** : Mouse PDK4 recombinant protein

**Lane 2** : Mouse PDK1 recombinant protein

**Lane 3** : Mouse PDK2 recombinant protein

Lysates/proteins at 0.01 µg per lane.

### Secondary

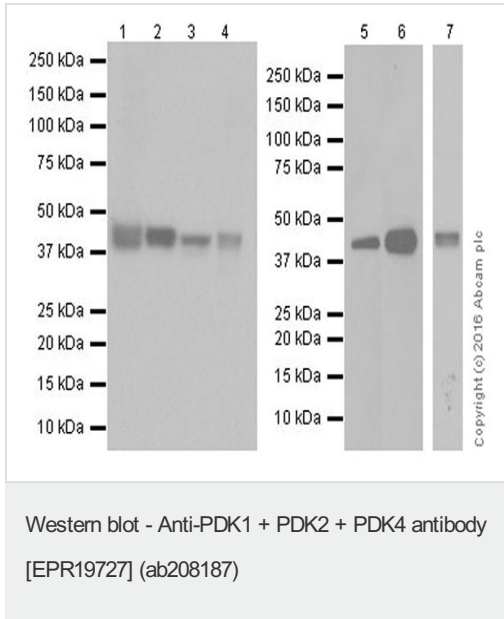
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

**Predicted band size:** 47 kDa

**Exposure time:** 1 second

Blocking/Dilution buffer: 5% NFDm/TBST.

Mouse PDK4, PDK1 and PDK2 recombinant proteins contain aa8-412, aa1-434 and aa1-407 respectively with a His-Tag®.



**All lanes :** Anti-PDK1 + PDK2 + PDK4 antibody [EPR19727] (ab208187) at 1/1000 dilution

**Lane 1 :** Mouse skeletal muscle lysate

**Lane 2 :** Mouse heart lysate

**Lane 3 :** Mouse liver lysate

**Lane 4 :** C2C12 (Mouse myoblast cell line) whole cell lysate

**Lane 5 :** HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate

**Lane 6 :** Human heart lysate

**Lane 7 :** Rat heart lysate

Lysates/proteins at 10 µg per lane.

### Secondary

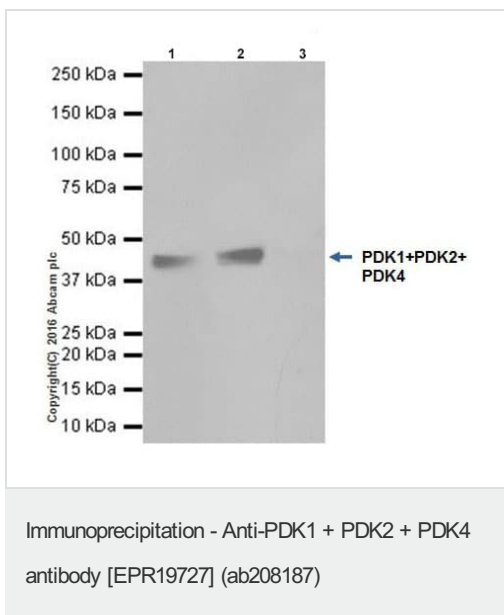
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

**Predicted band size:** 47 kDa

**Observed band size:** 47 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

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



PDK1+PDK2+PDK4 was immunoprecipitated from 0.35 mg of Mouse skeletal muscle whole cell lysate with ab208187 at 1/40 dilution.

Western blot was performed from the immunoprecipitate using ab208187 at 1/500 dilution.

VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/1000 dilution.

Lane 1: Mouse skeletal muscle whole cell lysate 10µg (Input).





Lane 2: ab208187 IP in Mouse skeletal muscle whole cell lysate.

Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab208187 in Mouse skeletal muscle whole cell lysate.

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

Exposure time: 3 seconds.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-PDK1 + PDK2 + PDK4 antibody [EPR19727]  
(ab208187)

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

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