

Product datasheet

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

Recombinant RabMAb

4 Images

Overview

Product name	Anti-PDK1 + PDK2 + PDK4 antibody [EPR19727]
Description	Rabbit monoclonal [EPR19727] to PDK1 + PDK2 + PDK4
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Mouse, Rat, Human, Recombinant fragment
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	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.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified

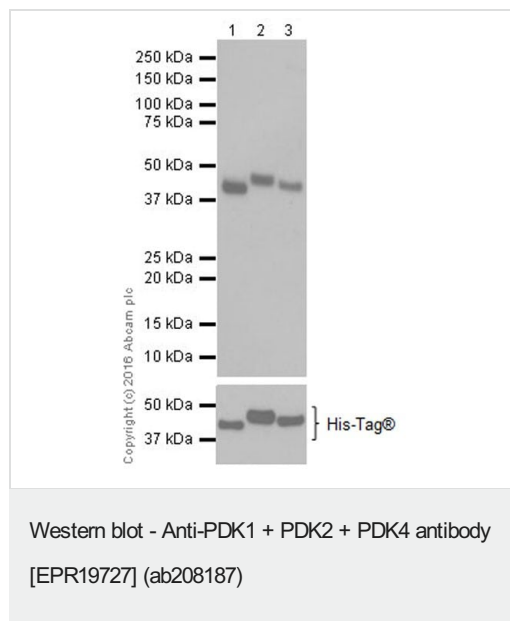
Clonality	Monoclonal
Clone number	EPR19727
Isotype	IgG

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
WB		1/1000. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa).
IP		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

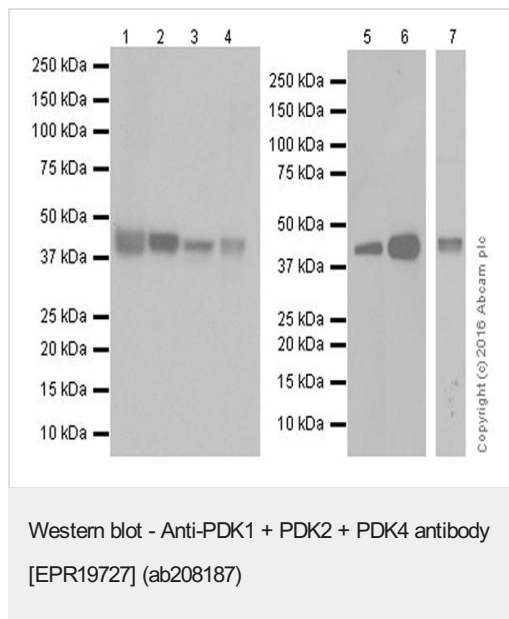
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

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 tissue lysate

Lane 3 : Mouse liver tissue 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 tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

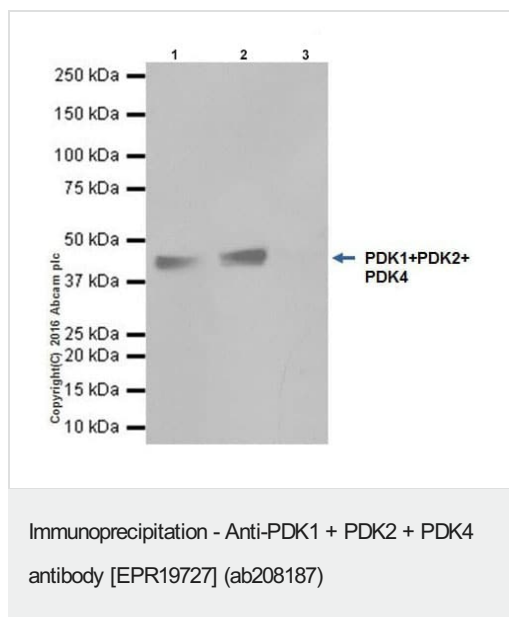
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

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

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(ab208187)

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

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