

Anti-PDK2 antibody [3F2D7] ab201964

敲除验证

★★★★★ 1 Abreviews 5 图像

概述

产品名称	Anti-PDK2抗体[3F2D7]
描述	小鼠单克隆抗体[3F2D7] to PDK2
宿主	Mouse
经测试应用	适用于: WB, Flow Cyt
种属反应性	与反应: Rat, Human, African green monkey 预测可用于: Mouse 
免疫原	Recombinant fragment corresponding to Human PDK2 aa 150 to the C-terminus. Expressed in <i>E. Coli</i> . Database link: Q15119  Run BLAST with  Run BLAST with
阳性对照	A431 cells; Human recombinant PDK2 (aa178-404) protein; Human recombinant PDK2 (aa178-404)-hlgGfc transfected HEK293 cell lysate; Jurkat , C6), COS7, K562 and A431 cell lysates.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.05% Sodium azide Constituent: 99% PBS
纯度	Protein G purified
纯化说明	Purified from tissue culture supernatant.

克隆	单克隆
克隆编号	3F2D7
同种型	IgG2b

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab201964于以下的经测试应用

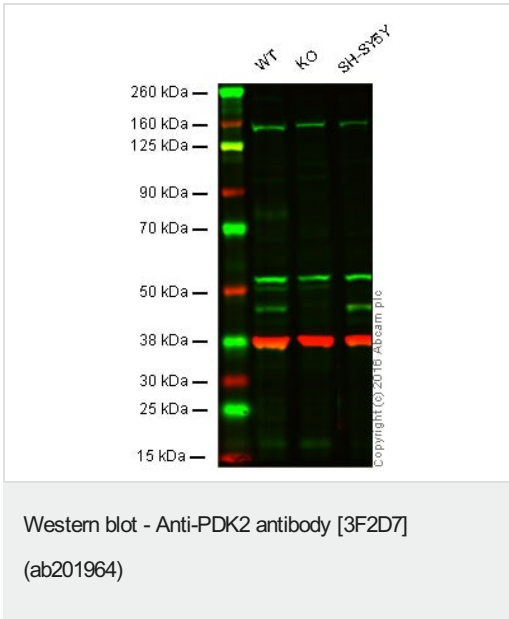
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/2000. Predicted molecular weight: 46 kDa.
Flow Cyt		1/200 - 1/400. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

靶标

功能	Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
组织特异性	Expressed in many tissues, with the highest level in heart and skeletal muscle, intermediate levels in brain, kidney, pancreas and liver, and low levels in placenta and lung.
序列相似性	Belongs to the PDK/BCKDK protein kinase family. Contains 1 histidine kinase domain.
细胞定位	Mitochondrion matrix.

图片



Lane 1: Wild-type HAP1 cell lysate (40 µg)

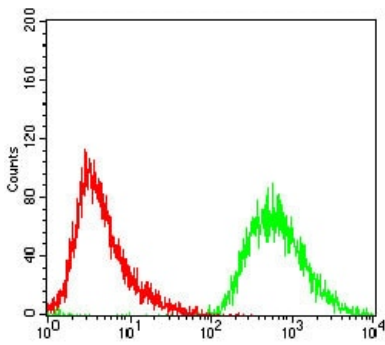
Lane 2: PDK2 knockout HAP1 cell lysate (40 µg)

Lane 3: SHSY5Y cell lysate (20 µg)

Lanes 1 - 3: Merged signal (red and green). Green - ab201964 observed at 45 kDa. Red - loading control, **ab181602**, observed at 37 kDa.

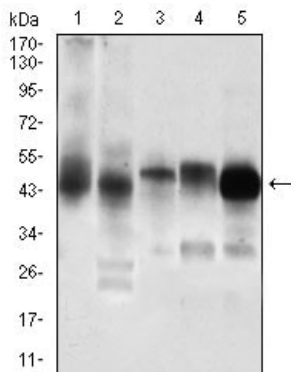
ab201964 was shown to recognize PDK2 when PDK2 knockout samples were used, along with additional cross-reactive bands. Wild-type and PDK2 knockout samples were subjected to SDS-PAGE. Ab201964 and **ab181602** (loading control to GAPDH) were diluted at 1/2000 and 1/10,000 dilution respectively and incubated overnight at 4C. Blots were developed with IRDye® 800CW Goat anti-Mouse IgG (H + L) **ab216772** and IRDye® 680

Goat anti-Rabbit IgG (H + L) **ab216777** secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry - Anti-PDK2 antibody [3F2D7]
(ab201964)

Flow cytometric analysis of A431 cells labeling PDK2 with ab201964 at 1/200 dilution (green). Negative control (red).



Western blot - Anti-PDK2 antibody [3F2D7]
(ab201964)

All lanes : Anti-PDK2 antibody [3F2D7] (ab201964) at 1/500 dilution

Lane 1 : Jurkat cell lysate

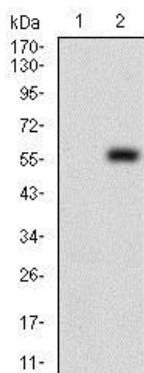
Lane 2 : C6 cell lysate

Lane 3 : COS7 cell lysate

Lane 4 : K562 cell lysate

Lane 5 : A431 cell lysate

Predicted band size: 46 kDa



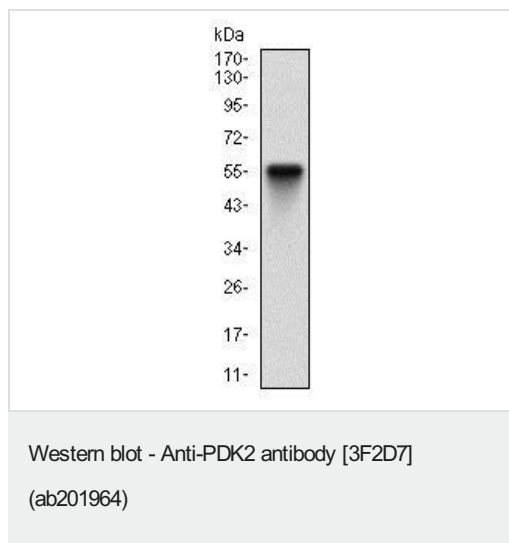
Western blot - Anti-PDK2 antibody [3F2D7]
(ab201964)

All lanes : Anti-PDK2 antibody [3F2D7] (ab201964) at 1/500 dilution

Lane 1 : HEK293 cell lysate

Lane 2 : Human recombinant PDK2 (aa178-404)-hlgGFc transfected HEK293 cell lysate

Predicted band size: 46 kDa



Anti-PDK2 antibody [3F2D7] (ab201964) at 1/500 dilution + Human recombinant PDK2 (aa178-404) protein

Predicted band size: 46 kDa

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