

# Anti-PDK1 antibody [4A11] ab110025

★★★★★ [2 Abreviews](#) [34 References](#) [6 图像](#)

## 概述

产品名称	Anti-PDK1抗体[4A11]
描述	小鼠单克隆抗体[4A11] to PDK1
宿主	Mouse
经测试应用	适用于: WB, ICC/IF, IHC-P, ELISA, Flow Cyt
种属反应性	与反应: Mouse, Rat, Human, Monkey, African green monkey
免疫原	Recombinant fragment corresponding to Human PDK1 aa 308-436. Database link: <a href="#">Q15118</a>
阳性对照	Hela, Jurkat, HepG2, PC-12, and Cos7 cell lysate, human breast cancer and Human brain tissues, HELA and Lovo cells
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&amp;As</p>

## 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituent: PBS
纯度	Protein G purified
纯化说明	Purified from tissue culture supernatant.
克隆	单克隆
克隆编号	4A11
同种型	IgG1

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab110025于以下的经测试应用

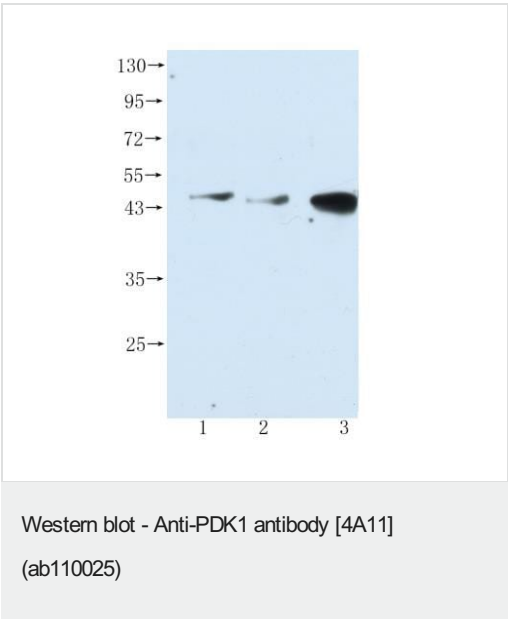
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/500 - 1/2000. Detects a band of approximately 44 kDa (predicted molecular weight: 49 kDa).
ICC/IF	★★★★★ (1)	1/200 - 1/1000.
IHC-P		1/200 - 1/1000.
ELISA		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, 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 predominantly in the heart.
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



**Lanes 1-2 :** Anti-PDK1 antibody [4A11] (ab110025) at 1/500 dilution

**Lane 3 :** Beta-actin antibody at 1/10000 dilution

**Lane 1 :** Jurkat cell lysate

**Lane 2 :** HeLa cell lysate

**Lane 3 :** NIH3T3 cell lysate

Lysates/proteins at 15 µl per lane.

**Secondary**

**All lanes :** HRP-Goat Anti-Mouse IgG (Fc) at 1/10000 dilution

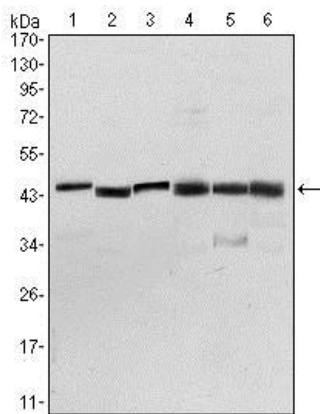
**Predicted band size:** 49 kDa

12% SDS gel.

Block the membrane for 1 h at room temperature or overnight at 4°C using blocking buffer, 5% milk.

Incubate in ab110025 overnight at 4°C.

Incubation at room temperature for 1 hour with the secondary antibody.



Western blot - Anti-PDK1 antibody [4A11]  
(ab110025)

**All lanes :** Anti-PDK1 antibody [4A11] (ab110025) at 1/500 dilution

**Lane 1 :** NIH3T3 cell lysate

**Lane 2 :** Hela cell lysate

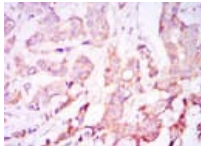
**Lane 3 :** Jurkat cell lysate

**Lane 4 :** HepG2 cell lysate

**Lane 5 :** PC-12 cell lysate

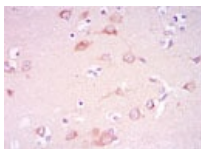
**Lane 6 :** Cos7 cell lysate

**Predicted band size:** 49 kDa



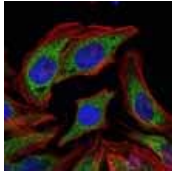
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDK1 antibody [4A11]  
(ab110025)

Immunohistochemical analysis of paraffin-embedded Human breast cancer tissues using ab110025 at a dilution of 1/200 with DAB staining.



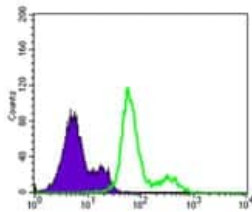
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDK1 antibody [4A11]  
(ab110025)

Immunohistochemical analysis of paraffin-embedded Human brain tissues using ab110025 at a dilution of 1/200 with DAB staining.



Immunofluorescence analysis of HELA cells using ab110025 at a dilution of 1/200 (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Immunocytochemistry/ Immunofluorescence - Anti-PDK1 antibody [4A11] (ab110025)



Flow cytometric analysis of Lovo cells using ab110025 (green) and negative control (purple).

Flow Cytometry - Anti-PDK1 antibody [4A11] (ab110025)

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