


Anti-Cytochrome b245 Light Chain/p22-phox antibody ab75941

★★★★★ [5 Abreviews](#) [18 References](#) [3 图像](#)

概述

产品名称	Anti-Cytochrome b245 Light Chain/p22-phox抗体
描述	兔多克隆抗体 to Cytochrome b245 Light Chain/p22-phox
宿主	Rabbit
特异性	Replenishment batches of ab75941 are tested in WB. Previous batches were additionally validated in IHC-P. This application is still expected to work and is covered by our Abpromise guarantee. Please note, previous lots of this product were also guaranteed in ICC/IF. We are having trouble reproducing new lots suitable for ICC/IF. Therefore this application has been removed and it no longer guaranteed.
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Cow, Pig 
免疫原	Synthetic peptide corresponding to Cytochrome b245 Light Chain/p22-phox aa 100 to the C-terminus conjugated to keyhole limpet haemocyanin. (Peptide available as ab86646)
阳性对照	This antibody gave a positive signal in the following lysates: HepG2 Whole Cell, Mouse Pancreas Tissue, Mouse Spleen Tissue. This antibody gave a positive result in IHC in the following FFPE tissue: Human normal lung.
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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40

Preservative: 0.02% Sodium azide

Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度 Immunogen affinity purified
克隆 多克隆
同种型 IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab75941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。

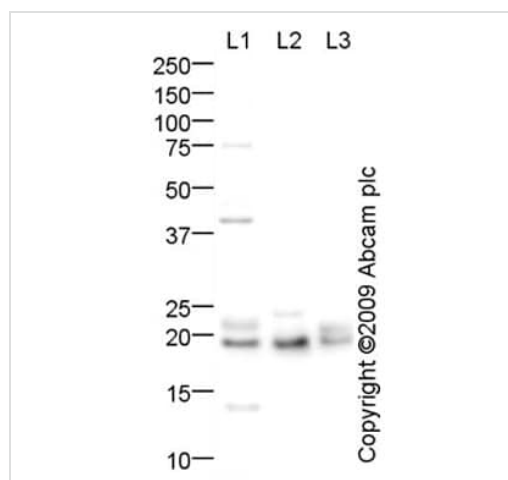
应用	Ab评论	说明
WB	★★★★★ (3)	Use a concentration of 1 µg/ml. Detects a band of approximately 19, 21 kDa (predicted molecular weight: 21 kDa).
IHC-P		Use a concentration of 1 µg/ml.

靶标

相关性 Cytochrome b245 Light Chain/p22phox is a critical component of the membrane-bound oxidase complex that generates superoxide. It complexes with NOX3 to form a functional NADPH oxidase.

细胞定位 Cell Membrane

图片



Western blot - Anti-Cytochrome b245 Light Chain/p22-phox antibody (ab75941)

All lanes : Anti-Cytochrome b245 Light Chain/p22-phox antibody (ab75941) at 1 µg/ml

Lane 1 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lane 2 : Pancreas (Mouse) Tissue Lysate

Lane 3 : Spleen (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

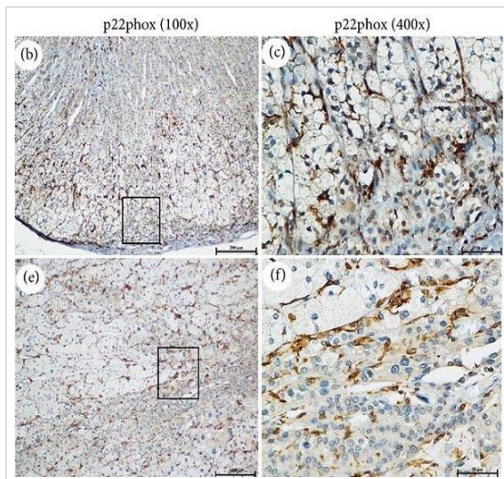
Performed under reducing conditions.

Predicted band size: 21 kDa

Observed band size: 21 kDa

Additional bands at: 19 kDa (possible cleavage fragment), 40 kDa. We are unsure as to the identity of these extra bands.

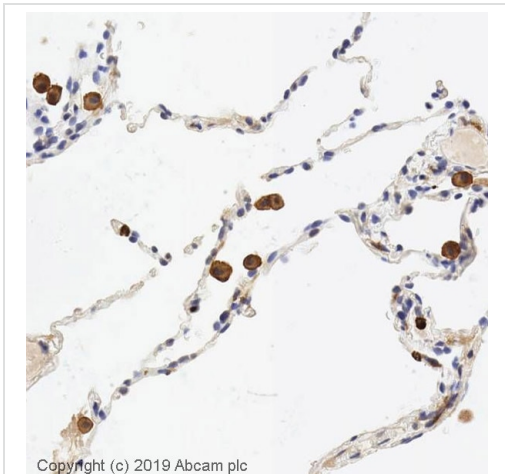
We hypothesize that the 21 kDa band represents the pro-form of Cytochrome b245 Light Chain/p22-phox, and the 19 kDa band represents the mature form.



Immunohistochemical analyses of p22phox using ab75941 (1/200) in normal adrenocortical tissue (b-c) and adrenal aldosterone-producing adenoma, (e-f) p22phox presents a gradient of expression in the entire adrenal cortex (100x), and its localization was restricted to the cell membrane (400x). Sections were incubated with primary antibody at 4°C overnight and with a HRP-conjugated secondary antibody for 30 minutes at 37°C.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome b245 Light Chain/p22-phox antibody (ab75941)

Geng X et al., Int J Endocrinol 2016, Fig 3., doi: 10.1155/2016/2395634 Reproduced under the Creative Commons license <https://creativecommons.org/licenses/by/4.0/>



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytochrome b245 Light Chain/p22-phox antibody (ab75941)

IHC image of Cytochrome b245 Light Chain/p22-phox staining in a section of formalin-fixed paraffin-embedded normal human lung* performed on a Leica BOND™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab75941, 1ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

**Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre*

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