


Anti-VDAC1/Porin + VDAC2 + VDAC3 antibody – Mitochondrial Loading Control ab15895

★★★★★ [35 Abreviews](#) [364 References](#) [6 图像](#)

概述

产品名称	Anti-VDAC1/Porin + VDAC2 + VDAC3抗体– Mitochondrial Loading Control
描述	兔多克隆抗体to VDAC1/Porin + VDAC2 + VDAC3 - Mitochondrial Loading Control
宿主	Rabbit
特异性	This antibody detects VDAC1, VDAC2 and VDAC3.
经测试应用	适用于: IHC-P, WB, ICC/IF
种属反应性	与反应: Mouse, Rat, Chicken, Cow, Dog, Human, Chinese hamster 预测可用于: Rabbit, Pig, Zebrafish 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa, A431, Jurkat, PC12, Rat kidney and HEK293 whole cell lysates, Mouse heart, kidney, skeletal muscle, spinal cord tissue lysate and rat brain tissue lysate. ICC/IF: HeLa cells. IHC-P: FFPE normal human heart tissue.
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ab15895于以下的经测试应用

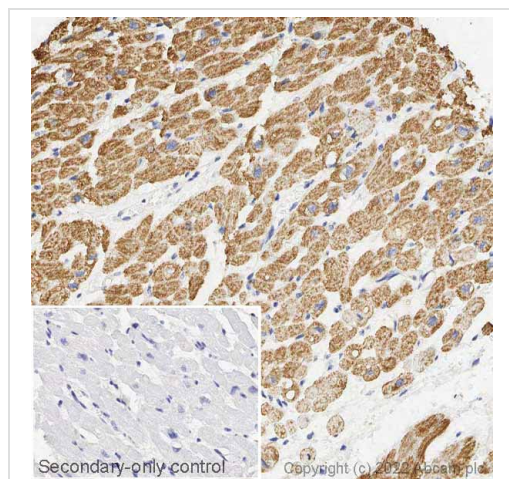
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (10)	Use a concentration of 0.1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (20)	Use a concentration of 1 µg/ml. Detects a band of approximately 31 kDa (predicted molecular weight: 31 kDa). Abcam recommends using BSA as the blocking agent.
ICC/IF	★★★★★ (1)	Use a concentration of 5 µg/ml.

靶标

细胞定位	VDAC1/Porin: Mitochondrion outer membrane. Cell membrane. VDAC2: Mitochondrion outer membrane. VDAC3: Mitochondrial outer membrane.
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图片

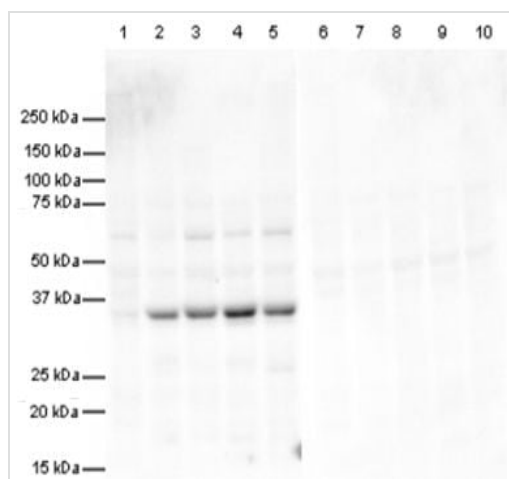


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 + VDAC3 antibody – Mitochondrial Loading Control (ab15895)

IHC image of VDAC1/Porin + VDAC2 + VDAC3 staining in a section of formalin-fixed paraffin-embedded normal human heart performed on a Leica Biosystems BOND® RX instrument. 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 ab15895, 0.1 µg/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. The inset secondary-only control image is taken from an identical assay without primary antibody.

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.



Western blot - Anti-VDAC1/Porin + VDAC2 + VDAC3 antibody – Mitochondrial Loading Control (ab15895)

All lanes : Anti-VDAC1/Porin + VDAC2 + VDAC3 antibody – Mitochondrial Loading Control (ab15895) at 1 µg/ml

Lane 1 : HeLa Nuclear lysate

Lane 2 : HeLa cell lysate

Lane 3 : A431 cell lysate

Lane 4 : Jurkat cell lysate

Lane 5 : HEK293 cell lysate

Lane 6 : HeLa Nuclear lysate with Human VDAC1/Porin peptide ([ab16131](#)) at 1 µg/ml

Lane 7 : HeLa cell lysate with Human VDAC1/Porin peptide ([ab16131](#)) at 1 µg/ml

Lane 8 : A431 cell lysate with Human VDAC1/Porin peptide ([ab16131](#)) at 1 µg/ml

Lane 9 : Jurkat cell lysate with Human VDAC1/Porin peptide ([ab16131](#)) at 1 µg/ml

Lane 10 : HEK293 cell lysate with Human VDAC1/Porin peptide ([ab16131](#)) at 1 µg/ml

Lysates/proteins at 20 µg per lane.

Secondary

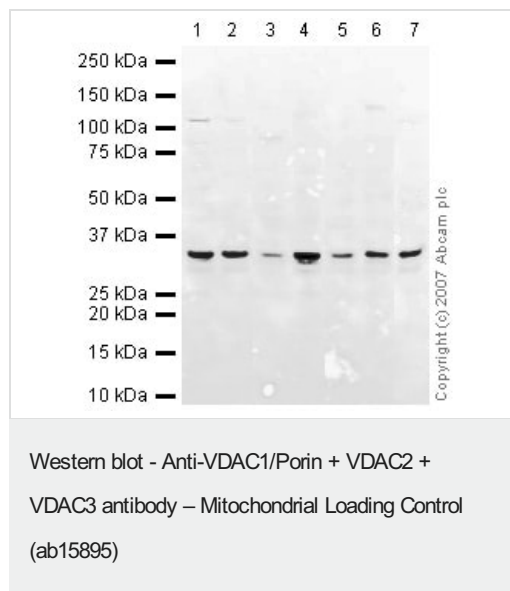
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab6721](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 31 kDa

Observed band size: 31 kDa



All lanes : Anti-VDAC1/Porin + VDAC2 + VDAC3 antibody – Mitochondrial Loading Control (ab15895) at 1 µg/ml

Lane 1 : Heart (Mouse) Tissue Lysate

Lane 2 : Kidney (Mouse) Tissue Lysate

Lane 3 : Mouse skeletal muscle tissue lysate - total protein (**ab29711**)

Lane 4 : Spinal Cord (Mouse) Tissue Lysate

Lane 5 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

Lane 6 : Brain (Rat) Tissue Lysate - normal tissue

Lane 7 : Kidney (Rat) Whole Cell Lysate - normal tissue (**ab29480**)

Lysates/proteins at 10 µg per lane.

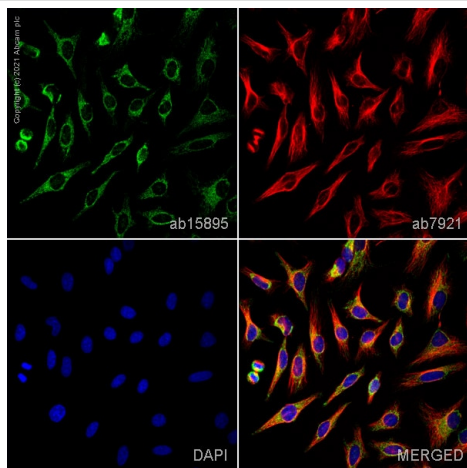
Secondary

All lanes : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 31 kDa

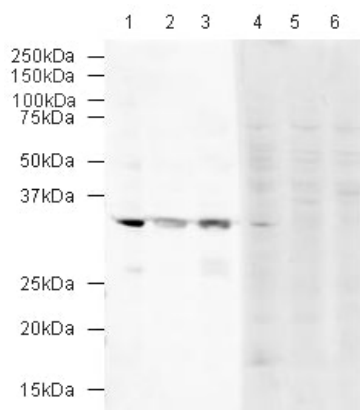
Observed band size: 31 kDa



Immunocytochemistry/ Immunofluorescence - Anti-VDAC1/Porin + VDAC2 + VDAC3 antibody – Mitochondrial Loading Control (ab15895)

ab15895 staining VDAC1/Porin + VDAC2 + VDAC3 in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab15895 at 5µg/ml and **ab7921**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Western blot - Anti-VDAC1/Porin + VDAC2 + VDAC3 antibody – Mitochondrial Loading Control (ab15895)

All lanes : Anti-VDAC1/Porin + VDAC2 + VDAC3 antibody – Mitochondrial Loading Control (ab15895) at 1 µg/ml

Lane 1 : Chicken liver cell lysate

Lane 2 : CHO K1 cell lysate

Lane 3 : MDCK cell lysate

Lane 4 : Chicken liver cell lysate with Human VDAC1/Porin peptide (**ab16131**) at 1 µg/ml

Lane 5 : CHO K1 cell lysate with Human VDAC1/Porin peptide (**ab16131**) at 1 µg/ml

Lane 6 : MDCK cell lysate with Human VDAC1/Porin peptide (**ab16131**) at 1 µg/ml

Lysates/proteins at 20 µg per lane.

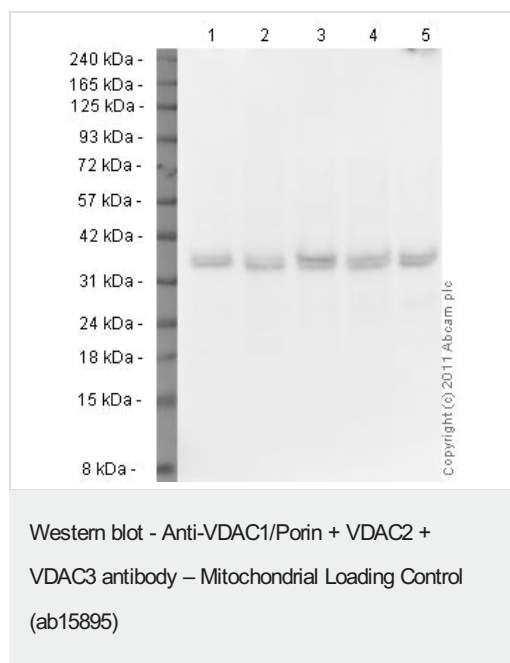
Secondary

All lanes : Alexa fluor goat polyclonal anti-Rabbit IgG at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 31 kDa



Western blot image using the Optiblot Reducing Electrophoresis Kit - 10 x 10 cm (4-20%) ([ab119220](#)) with the Prism Ultra Protein Ladder ([ab116028](#)) 5µl used. We recommend using our ECL substrate kit ([ab65623](#)) .

20ug of Lysate per lane and detection using ab15895 diluted to 1ug/ml.

Lane 1: HeLa cell lysate
 Lane 2: Jurkat cell lysate
 Lane 3: A431 cell lysate
 Lane 4: HEK293 cell lysate
 Lane 5: HepG2 cell lysate.

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