

Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control ab154856

リコンビナント RabMAb

★★★★★ **4 Abreviews** **79 References** **画像数 20**

製品の概要

製品名	Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control
製品の詳細	Rabbit monoclonal [EPR10852(B)] to VDAC1/Porin + VDAC2 - Mitochondrial Loading Control
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, ICC/IF, IHC-Fr
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HepG2, Jurkat, HEK-293, HAP1 and HeLa cell lysates; Mouse and rat kidney lysate; Rat cerebellum whole tissue lysate IHC-P: Human liver, heart, kidney, ovarian carcinoma, thyroid gland carcinoma, skeletal muscle and cervical carcinoma tissues; Rat kidney tissue; Mouse cardiac muscle tissue; ICC/IF: HeLa and Jurkat cells; IHC-Fr: Mouse cardiac and skeletal muscle tissues.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
精製度	Protein A purified

ポリ/モノ モノクローナル
 クローン名 EPR10852(B)
 アイソタイプ IgG

アプリケーション

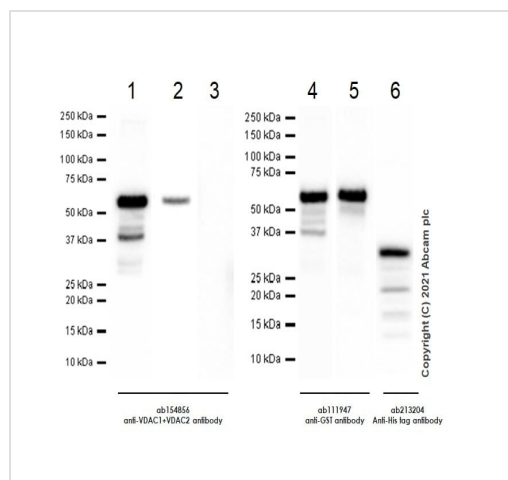
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab154856の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (4)	1/1000 - 1/10000. Detects a band of approximately 31 kDa (predicted molecular weight: 31 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/1000.
IHC-Fr		1/50. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)

ターゲット情報

細胞内局在 VDAC1/Porin: Mitochondrion outer membrane. Cell membrane. VDAC2: Mitochondrion outer membrane.

画像



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

Lanes 1-3 : Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856) at 1/1000 dilution
Lanes 4-5 : Anti-GST antibody [EPR4236] (**ab111947**) at 1/1000 dilution
Lane 6 : Anti-6X His tag® antibody [EPR20547] - ChIP Grade (**ab213204**) at 1/1000 dilution

Lanes 1 & 4 : N-GST tagged full length recombinant human VDAC1 protein 10ng

Lanes 2 & 5 : N-GST tagged full length recombinant human VDAC2 protein 10ng

Lanes 3 & 6 : C-His tagged full length Recombinant Human VDAC3 protein 10ng

Secondary

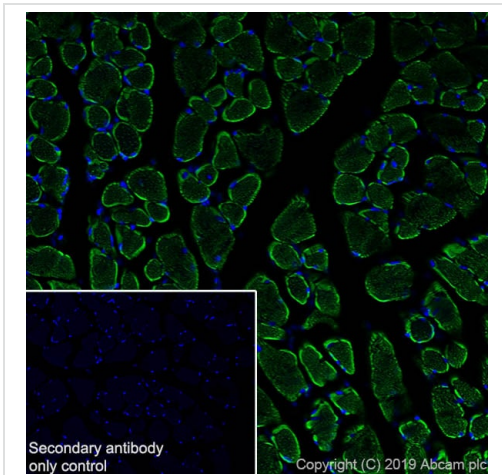
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 31 kDa

Observed band size: 55, 33 kDa

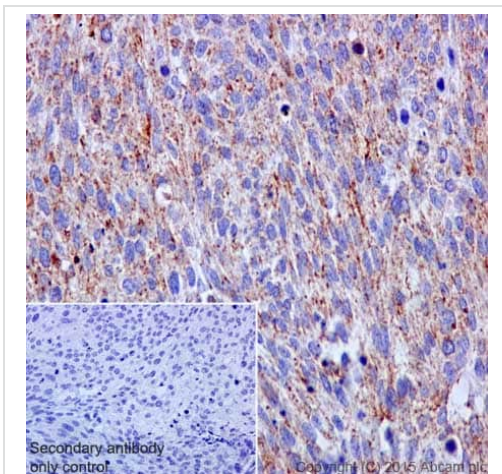
Exposure time: 40 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST



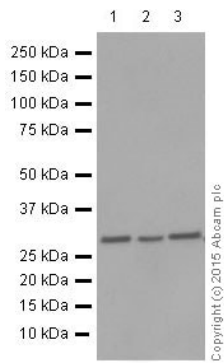
Immunohistochemistry (Frozen sections) analysis of mouse skeletal muscle tissue sections labeling VDAC1 / Porin with Purified ab154856 at 1/50 (0.7 µg/ml). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. DAPI was used as a counterstain.

Immunohistochemistry (Frozen sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)



Immunohistochemical staining of paraffin embedded human cervical carcinoma with purified ab154856 at a working dilution of 1/200. The secondary antibody used is HRP goat anti-rabbit IgG H&L (**ab97051**) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)



Western blot - Anti-VDAC1/Porin + VDACC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

All lanes : Anti-VDAC1/Porin + VDACC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856) at 1/10000 dilution (purified)

Lane 1 : HepG2 cell lysate

Lane 2 : HEK293 cell lysate

Lane 3 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

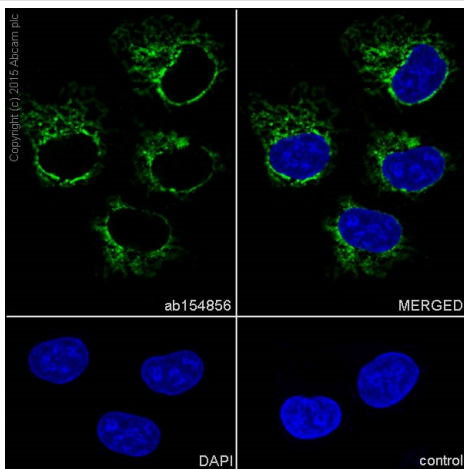
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 31 kDa

Observed band size: 31 kDa

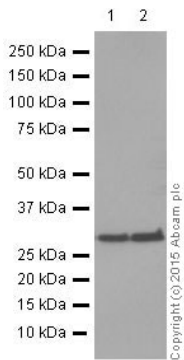
Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Immunocytochemistry/ Immunofluorescence - Anti-VDAC1/Porin + VDACC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

ab154856 staining VDAC1 / Porin showing cytoplasmic staining in HeLa cells (Human cervix adenocarcinoma epithelial cells) by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 100% methanol, Samples were incubated with primary antibody (1/1000) for 1 hour at 21°C. **ab150077**, an Alexa Fluor® 488-conjugated Goat anti-Rabbit IgG (1:1000) was used as the secondary antibody. DAPI (1/200) was used as a counter stain.



Western blot - Anti-VDAC1/Porin + VDACC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

All lanes : Anti-VDAC1/Porin + VDACC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856) at 1/10000 dilution (purified)

Lane 1 : mouse kidney lysate

Lane 2 : rat kidney lysate

Lysates/proteins at 20 µg per lane.

Secondary

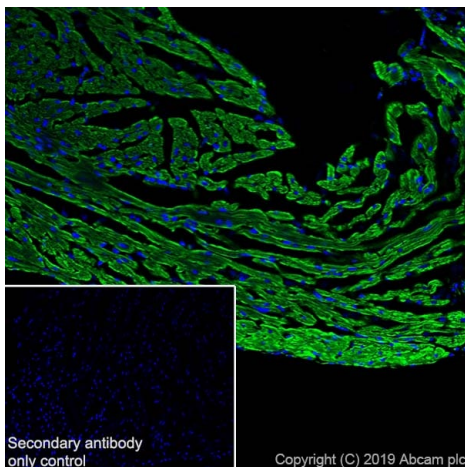
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 31 kDa

Observed band size: 31 kDa

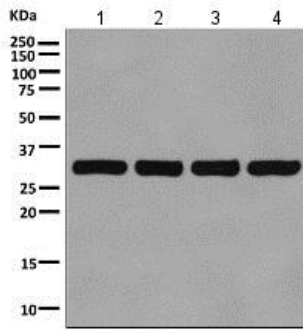
Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Immunohistochemistry (Frozen sections) - Anti-VDAC1/Porin + VDACC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

Immunohistochemistry (Frozen sections) analysis of mouse cardiac muscle tissue sections labeling VDAC1 / Porin with Purified ab154856 at 1/50 (0.7 µg/ml). Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. DAPI was used as a counterstain.



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

All lanes : Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856) at 1/1000 dilution (unpurified)

Lane 1 : HepG2 cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : 293T cell lysate

Lane 4 : HeLa cell lysate

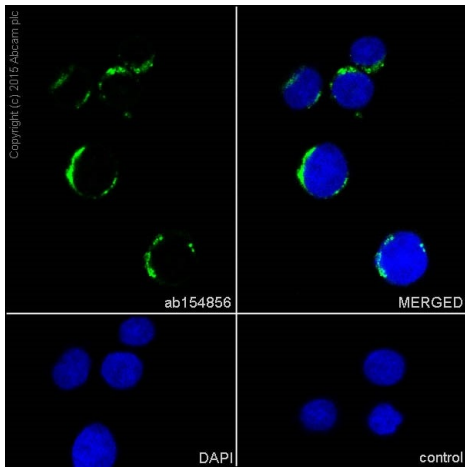
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

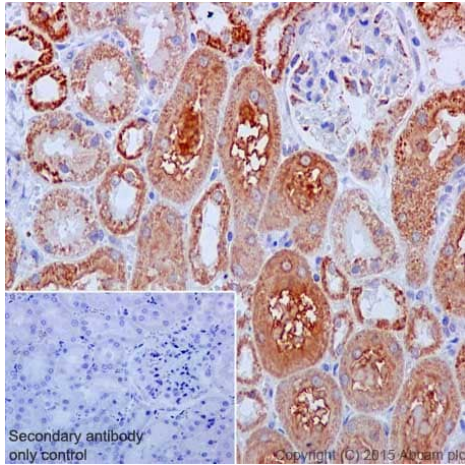
Predicted band size: 31 kDa

Secondary antibody - **anti-rabbit HRP (ab6721)**



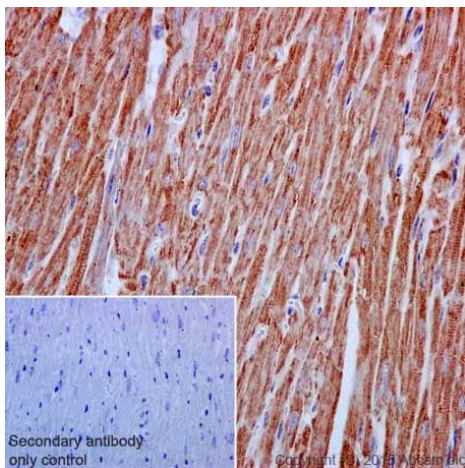
Immunocytochemistry/ Immunofluorescence - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

ab154856 staining VDAC1 / Porin showing cytoplasmic staining in Jurkat cells (Human T cell leukemia T lymphocyte) by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 100% methanol, Samples were incubated with primary antibody (1/1000) for 1 hour at 21°C. **ab150077**, an Alexa Fluor® 488-conjugated Goat anti-Rabbit IgG (1:1000) was used as the secondary antibody. DAPI (1/200) was used as a counter stain.



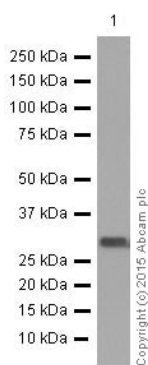
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

Immunohistochemical staining of paraffin embedded rat kidney with purified ab154856 at a working dilution of 1/200. The secondary antibody used is HRP goat anti-rabbit IgG H&L (**ab97051**) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

Immunohistochemical staining of paraffin embedded mouse cardiac muscle with purified ab154856 at a working dilution of 1/200. The secondary antibody used is HRP goat anti-rabbit IgG H&L (**ab97051**) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856) at 1/2000 dilution (purified) + Jurkat cell lysate at 20 µg

Secondary

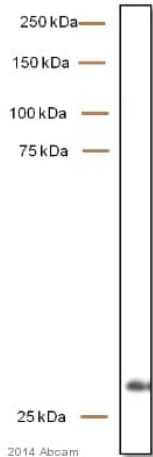
HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 31 kDa

Observed band size: 31 kDa

Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

This image is courtesy of an anonymous Abreview

Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856) at 1/5000 dilution (unpurified) + Rat cerebellum whole tissue lysate at 30 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97069](#)) (undiluted)

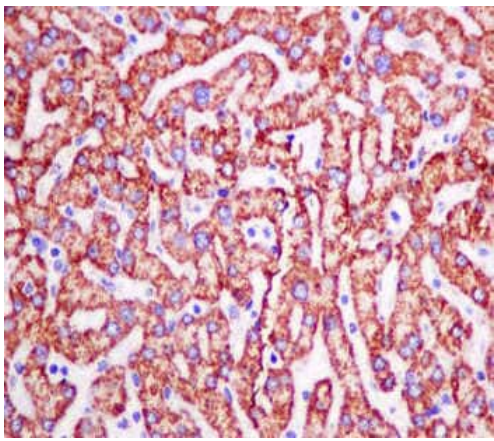
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 31 kDa

Observed band size: 31 kDa

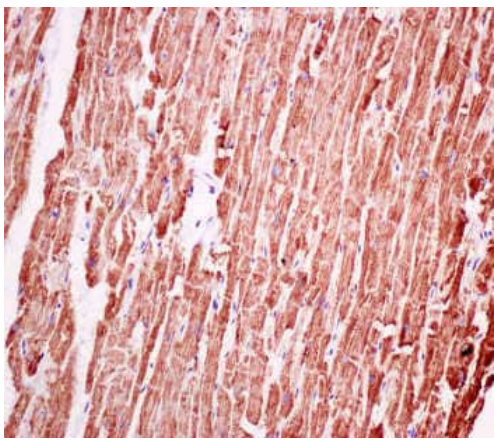
Exposure time: 2 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

Immunohistochemical analysis of paraffin-embedded human liver tissue labeling VDAC1 with unpurified ab154856 at 1/100 dilution.

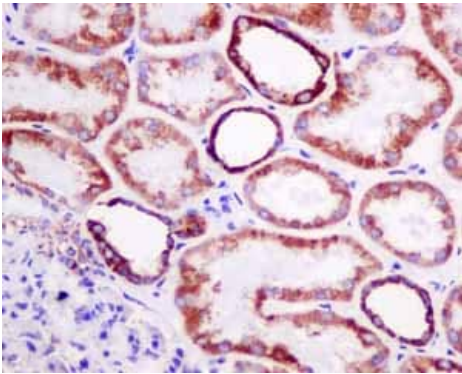
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

Immunohistochemical analysis of paraffin-embedded human heart tissue labeling VDAC1 with unpurified ab154856 at 1/100 dilution.

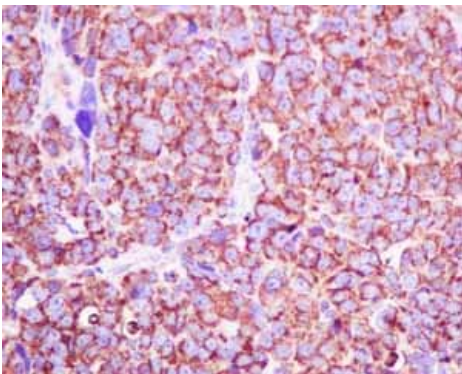
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemical analysis of paraffin embedded human normal kidney tissue using unpurified ab154856 showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

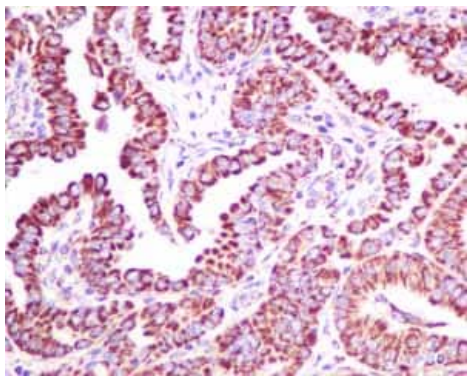
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)



Immunohistochemical analysis of paraffin embedded human ovarian carcinoma tissue using unpurified ab154856 showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

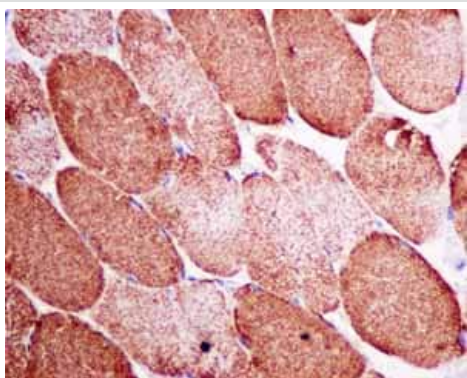
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)



Immunohistochemical analysis of paraffin embedded human thyroid gland carcinoma tissue using unpurified ab154856 showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)



Immunohistochemical analysis of paraffin embedded human skeletal muscle tissue using unpurified ab154856 showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856)

Why choose a recombinant antibody?



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Animal-free production

Anti-VDAC1/Porin + VDAC2 antibody
[EPR10852(B)] - Mitochondrial Loading Control
(ab154856)

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