abcam

ab240128

Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR10852(B)
Purification technique	Affinity purification Protein A
Concentration	0.947 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Human
Dilution info	-

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

Species	Mouse
Dilution info	-
Notes	Perform heat-mediated antigen retrieval before commencing with IHC staining protocol.

Species	Rat
Dilution info	-
Notes	Perform heat-mediated antigen retrieval before commencing with IHC staining protocol.

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

WB

Tested

Species	Human, Mouse, Rat, Recombinant full length protein - Human
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse, Rat

Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

IHC-Fr

Tested

Species	Mouse
Dilution info	-
Notes	Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)

Expected

Species	Human, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-

Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

Target data

See full target information VDAC1

Function

Non-selective voltage-gated ion channel that mediates the transport of anions and cations through the mitochondrion outer membrane and plasma membrane (PubMed:10661876, PubMed:11845315, PubMed:18755977, PubMed:30061676, PubMed:8420959). The channel at the outer mitochondrial membrane allows diffusion of small hydrophilic molecules; in the plasma membrane it is involved in cell volume regulation and apoptosis (PubMed:10661876, PubMed:11845315, PubMed:18755977, PubMed:8420959). It adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV (PubMed:10661876, PubMed:18755977, PubMed:8420959). The open state has a weak anion selectivity whereas the closed state is cation-selective (PubMed:18755977, PubMed:8420959). Binds various signaling molecules, including the sphingolipid ceramide, the phospholipid phosphatidylcholine, and the sterols cholesterol and oxysterol (PubMed:18755977, PubMed:31015432). In depolarized mitochondria, acts downstream of PRKN and PINK1 to promote mitophagy or prevent apoptosis; polyubiquitination by PRKN promotes mitophagy, while monoubiquitination by PRKN decreases mitochondrial calcium influx which ultimately inhibits apoptosis (PubMed:32047033). May participate in the formation of the permeability transition pore complex (PTPC) responsible for the release of mitochondrial products that triggers apoptosis (PubMed:15033708, PubMed:25296756). May mediate ATP export from cells (PubMed:30061676). Part of a complex composed of HSPA9, ITPR1 and VDAC1 that regulates mitochondrial calcium-dependent apoptosis by facilitating calcium transport from the ER lumen to the mitochondria intermembrane space thus providing calcium for the downstream calcium channel MCU that directly releases it into mitochondria matrix (By similarity). Mediates cytochrome c efflux (PubMed:20230784). Catalyzes the scrambling of phospholipids across the outer mitochondrial membrane; the

mechanism is unrelated to channel activity and is capable of translocating both anionic and zwitterionic phospholipids.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab240128 is the carrier-free version of ab154856.

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	The VDAC1/Porin and VDAC2 proteins also known as voltage-dependent anion-selective channel 1 and 2 serve as important pore-forming proteins within the mitochondrial outer membrane. Each VDAC protein has a molecular mass of about 30-35 kDa. Commonly referred to as the 'porin hub' due to their central role in metabolite exchange VDAC1 and VDAC2 facilitate the transport of ions and small molecules between the mitochondria and cytoplasm regulating energy production and cellular metabolism. They express widely across various tissues highlighting their essential role in cellular functions.
Biological function summary	Voltage-dependent anion channels like VDAC1/Porin and VDAC2 modulate the exchange of ions and metabolic substrates playing a significant role in apoptosis and the maintenance of mitochondrial functions. As integral parts of mitochondrial complexes they interact with proteins such as hexokinase which anchors to VDAC1 and influences glycolytic flux linking energy production with apoptotic signaling pathways. This positions VDAC proteins as key regulators of cellular energy homeostasis.
Pathways	VDAC1/Porin and VDAC2 engage prominently in the apoptotic and mitochondrial permeability transition pathways. In the apoptosis pathway they interact with anti-apoptotic proteins like Bcl-xl and pro-apoptotic members like Bax highlighting their dual role in cell survival and death. These interactions highlight the proteins' contribution to mitochondrial outer membrane permeabilization (MOMP) a critical event in the release of cytochrome c and subsequent apoptosome formation further integrating them into broader signaling networks.
Associated diseases and disorders	Dysfunctions in VDAC1/Porin and VDAC2 link to neurodegenerative diseases and cancer. Aberrant VDAC1 activity connects with Alzheimer's disease due to its role in mitochondrial dysfunction affecting amyloid-beta peptide accumulation and neuronal cell death. In cancer VDAC overexpression associates with altered cellular metabolism and resistance to apoptosis positioning these proteins as potential therapeutic targets. Interactions with proteins such as hexokinase and Bcl-2 family members further emphasize their role in these pathological processes.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

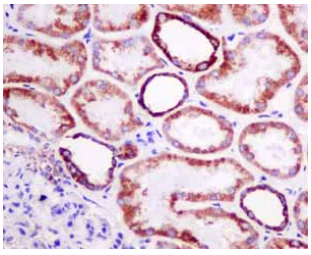
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

21 product images

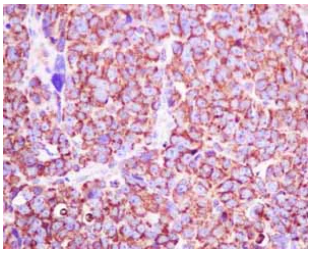


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

Immunohistochemical analysis of paraffin embedded human normal kidney tissue using unpurified ab154856 showing +ve staining.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

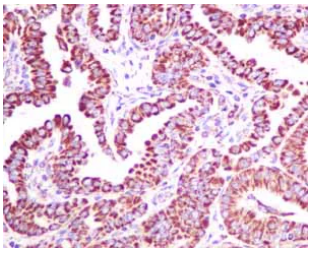


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

Immunohistochemical analysis of paraffin embedded human ovarian carcinoma tissue using unpurified ab154856 showing +ve staining.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

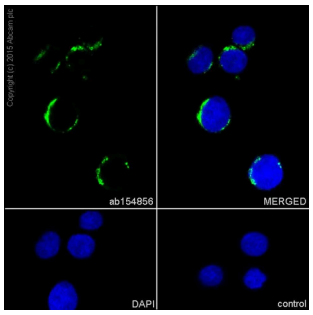


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

Immunohistochemical analysis of paraffin embedded human thyroid gland carcinoma tissue using unpurified ab154856 showing +ve staining.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

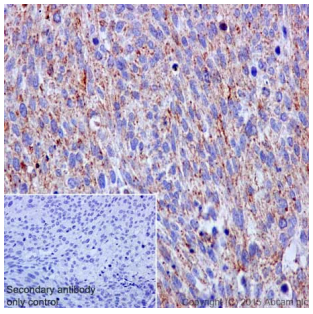
Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

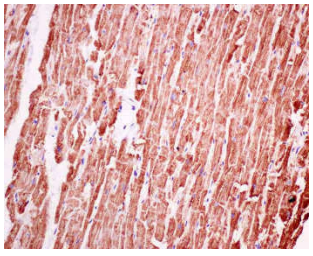
ab154856 staining VDAC1 / Porin showing cytoplasmic staining in Jurkat cells (Human T cell leukemia T lymphocyte) by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 100% methanol, Samples were incubated with primary antibody (1/1000) for 1 hour at 21°C. ab150077, an Alexa Fluor® 488-conjugated Goat anti-Rabbit IgG (1:1000) was used as the secondary antibody. DAPI (1/200) was used as a counter stain.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

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 perfomed 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.This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

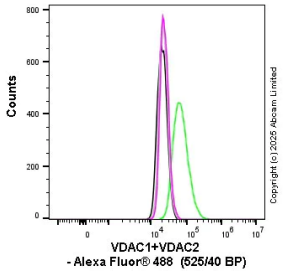


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

Immunohistochemical analysis of paraffin-embedded human heart tissue labeling VDAC1 with unpurified ab154856 at 1/100 dilution.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

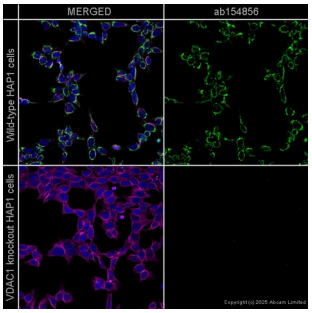
VDAC1/Porin + VDAC2 Flow Cytometry (Intracellular) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).
Flow cytometry overlay histogram showing wild-type HAP1 (green line) and VDAC1 knockout HAP1 stained with ab154856 (magenta line). The cells were fixed with 80% methanol (5 min) and then permeabilised with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab154856) (1x 10^6 in 100µl at 0.2 µg/ml (1/195 dilution)) for 30min at 22°C.

The secondary antibody Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed was incubated at 1/4000 dilution for 30min at 22°C.

Isotype control antibody was Recombinant Rabbit IgG, monoclonal [EPR25A] - Isotype Control in HAP1 WT cells (black line) and HAP1-VDAC1 KO cells (grey line), used at the same concentration and conditions as the primary antibody.

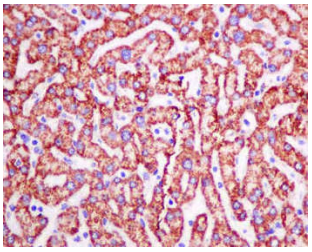
Acquisition of >5000 events were collected using a 50 mW Blue laser (488nm) and 525/40 bandpass filter.



Immunocytochemistry/ Immunofluorescence - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

This image was produced using ab154856, the same clone but in a different formulation. Immunofluorescent analysis of 100% methanol-fixed 0.1% Triton X-100 permeabilized Hap1 WT and Hap1-VDAC KO cells labelling VDAC1/Porin + VDAC2 with ab154856 at 1/500 dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2 µg/ml dilution (Green). Image showing mitochondrial staining in Hap1 WT cell line. ab7291 Anti-alpha Tubulin antibody [DM1A] was used to counterstain tubulin at 1/1000 dilution (Magenta). The nuclear counterstain was DAPI (Blue).

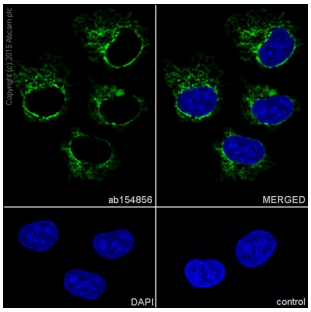


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

Immunohistochemical analysis of paraffin-embedded human liver tissue labeling VDAC1 with unpurified ab154856 at 1/100 dilution.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

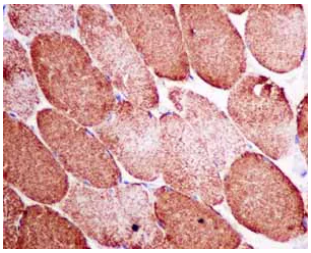
Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

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.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

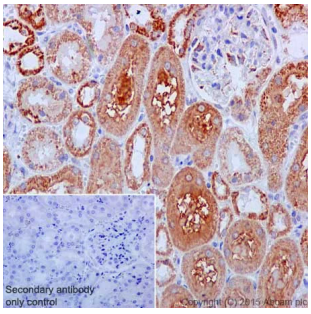


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

Immunohistochemical analysis of paraffin embedded human skeletal muscle tissue using unpurified ab154856 showing +ve staining.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

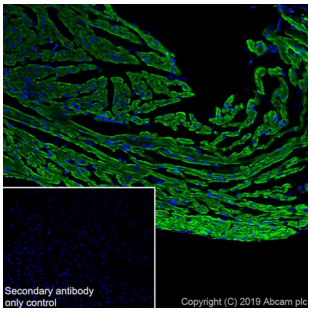
Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

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 perfomed 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.This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

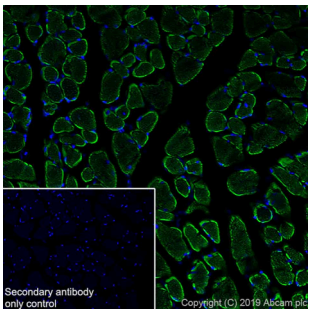


Immunohistochemistry (Frozen sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Frozen sections) staining of Mouse cardiac muscle tissue using rabbit Anti-VDAC1/Porin + VDAC2 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (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

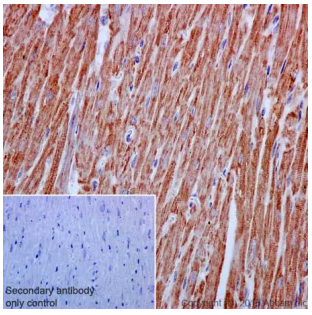
using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. DAPI was used as a counterstain.



Immunohistochemistry (Frozen sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Frozen sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

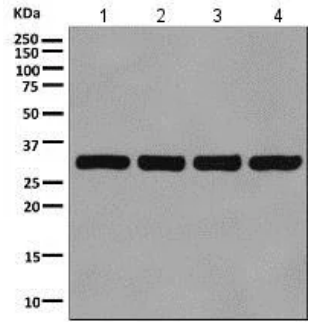
Immunohistochemistry (Frozen sections) analysis of mouse skeletal muscle tissue sections labeling VDAC1 / Porin with Purified ab154856 at 1/50 (0.7 µg/ml).Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077)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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

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 perfomed 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.This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Western blot staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).
Secondary antibody - anti-rabbit HRP (ab6721)

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

Lane 1:
HepG2 cell lysate at 10 µg

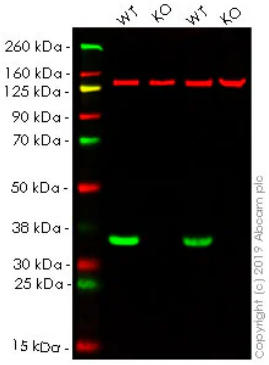
Lane 2:
Jurkat cell lysate at 10 µg

Lane 3:
293T cell lysate at 10 µg

Lane 4:
HeLa cell lysate at 10 µg

Secondary

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



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Western blot staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

Lanes 1 - 4: Merged signal (red and green). Green - ab154856 observed at 31 kDa. Red - loading control, ab8245 observed at 37 kDa.
ab154856 was shown to react with VDAC1 / Porin in wild-type HEK-293T. Loss of signal was observed when knockout cell line ab255444 (knockout cell lysate ab263839) was used. Wild-type and VDAC1 / Porin knockout samples were subjected to SDS-PAGE. ab154856 and Anti-GAPDH antibody [6C5] - Loading Control (ab8245) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (ab216776) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).

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

Lane 1:
Wild-type Hap1 cell lysate at 20 µg

Lane 2:
VDAC1 knockout Hap1 cell lysate at 20 µg

Lane 3:
Wild-type HEK-293T cell lysate at 20 µg

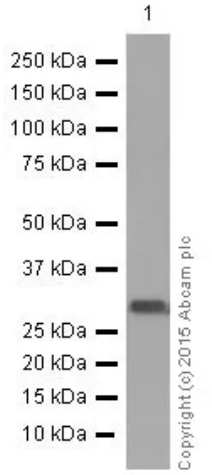
Lane 4:
Western blot - Human VDAC1 (Porin) knockout HEK-293T cell lysate (ab263839) at 20 µg

Secondary

All lanes:
Western blot - Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) at 1/20000 dilution

Predicted band size: 31 kDa

Observed band size: 124 kDa



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Western blot staining of Jurkat cell lysate using rabbit Anti-VDAC1/Porin + VDAC2 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).
Blocking buffer: 5% NFDM/TBST
Dilution buffer: 5% NFDM/TBST

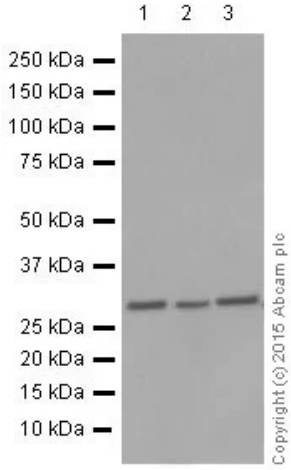
All lanes:
Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856) at 1/2000 dilution

All lanes:
Jurkat cell lysate at 20 µg

Secondary

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

Observed band size: 31 kDa



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Western blot staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).
Blocking buffer: 5% NFDM/TBST
Dilution buffer: 5% NFDM/TBST

All lanes:
Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856) at 1/10000 dilution

Lane 1:
HepG2 cell lysate at 20 µg

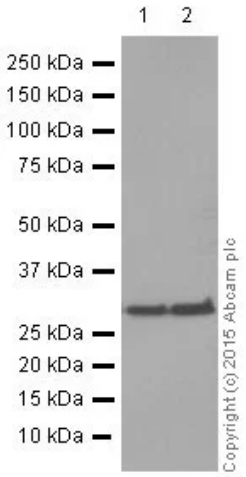
Lane 2:
HEK293 cell lysate at 20 µg

Lane 3:
HeLa cell lysate at 20 µg

Secondary

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

Observed band size: 31 kDa



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

VDAC1/Porin + VDAC2 Western blot staining using rabbit Anti-VDAC1/Porin + VDAC2 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab154856).
Blocking buffer: 5% NFDM/TBST
Dilution buffer: 5% NFDM/TBST

All lanes:
Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - Mitochondrial Loading Control (ab154856) at 1/10000 dilution

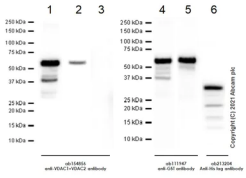
Lane 1:
mouse kidney lysate at 20 µg

Lane 2:
rat kidney lysate at 20 µg

Secondary

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

Observed band size: 31 kDa



Western blot - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

This data was developed using the same antibody clone in a different buffer formulation (ab154856).
Blocking and diluting buffer and concentration: 5% NFDM/TBST

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

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

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

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

Secondary

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

Observed band size: 33 kDa, 55 kDa

Exposure time: 40s

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.