

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

Recombinant RabMAb

14 Images

## Overview

<b>Product name</b>	Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR10852(B)] to VDAC1/Porin + VDAC2 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF, WB, IHC-Fr
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	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.
<b>General notes</b>	<p>ab240128 is the carrier-free version of <a href="#">ab154856</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>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.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p>

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR10852(B)
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab240128 in the following tested applications.

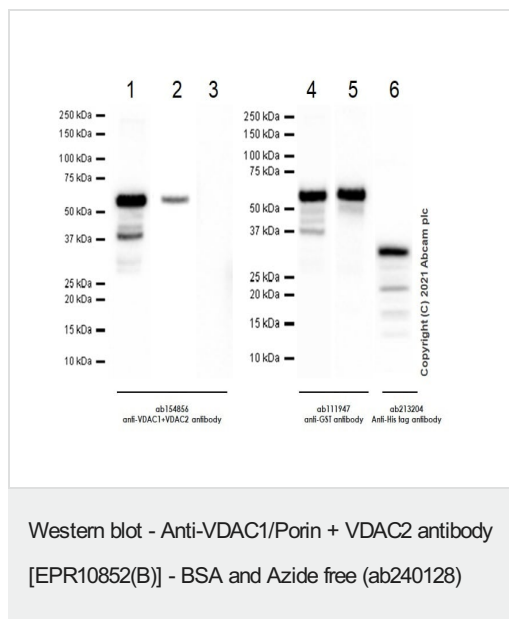
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>IHC-P</b>		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
<b>ICC/IF</b>		Use at an assay dependent concentration.
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 31 kDa.
<b>IHC-Fr</b>		Use at an assay dependent concentration. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)

## Target

<b>Cellular localization</b>	VDAC1/Porin: Mitochondrion outer membrane. Cell membrane. VDAC2: Mitochondrion outer membrane.
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## Images



**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

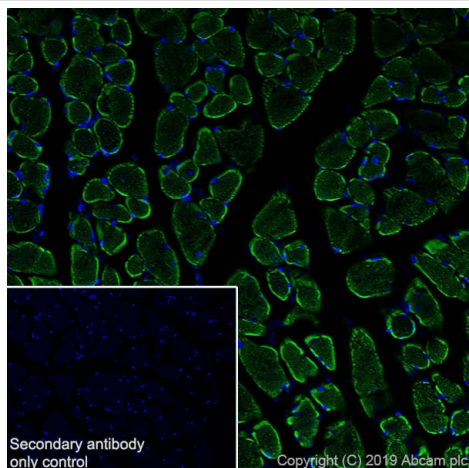
**Predicted band size:** 31 kDa

**Observed band size:** 55, 33 kDa

**Exposure time:** 40 seconds

This data was developed using the same antibody clone in a different buffer formulation ([ab154856](#)).

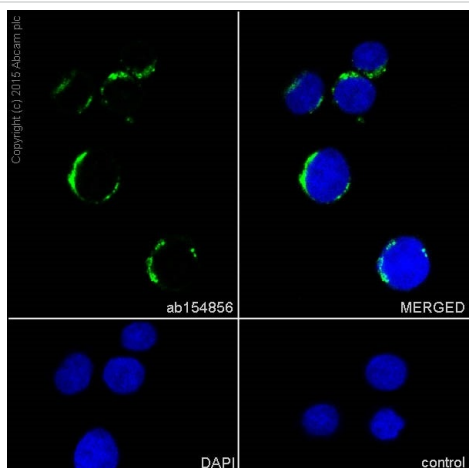
Blocking and diluting buffer and concentration: 5% NFDM/TBST



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

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.

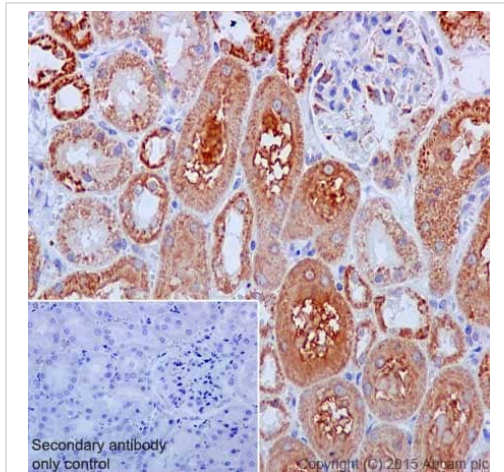
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab154856**).



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

**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.

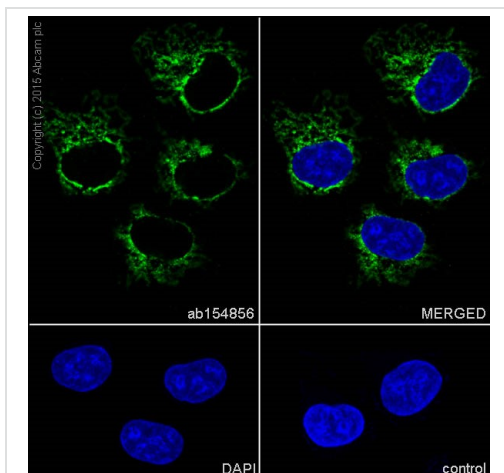
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab154856**).



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

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.

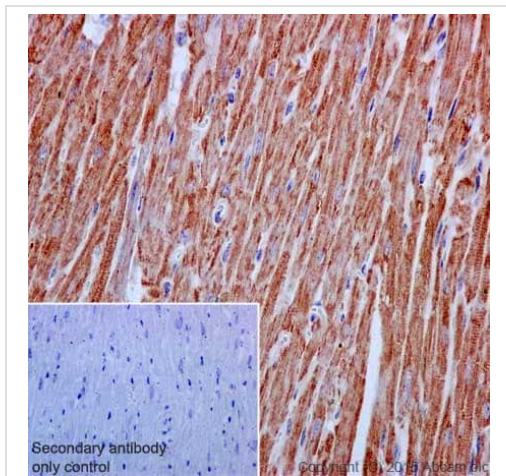
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab154856**).



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

**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.

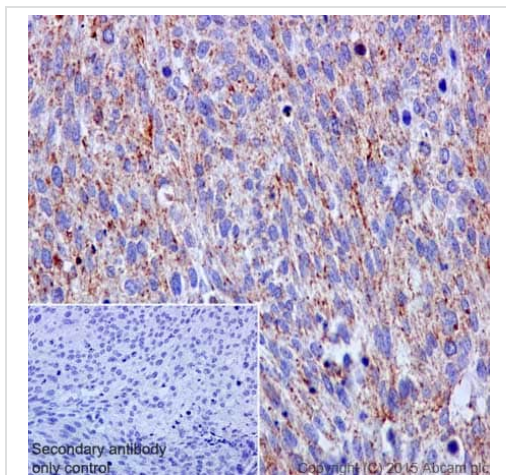
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab154856**).



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

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.

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

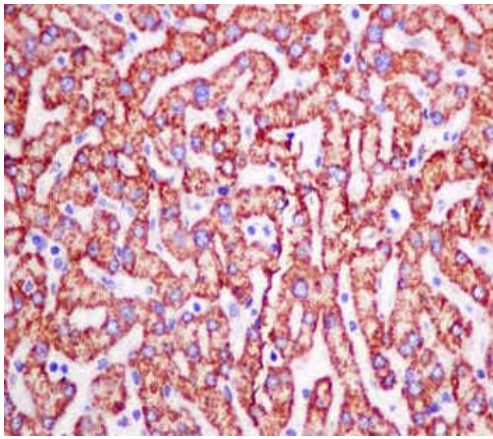


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

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.

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



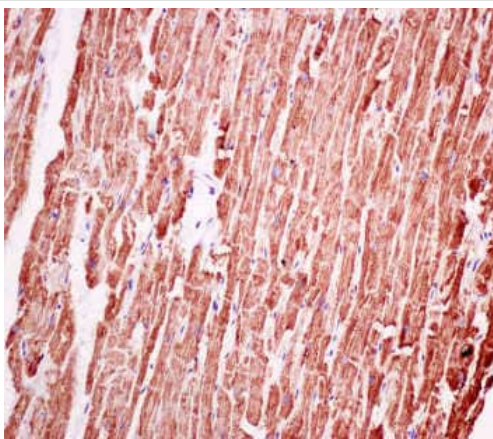


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

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.

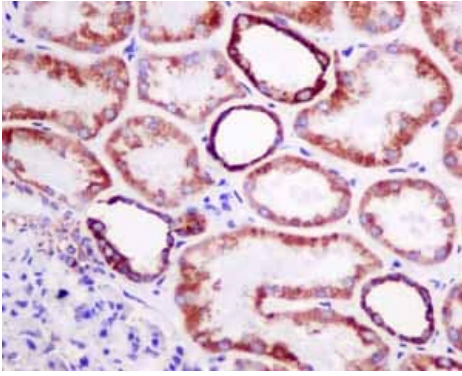


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

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.

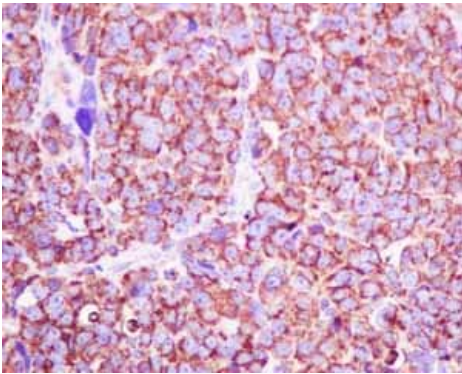


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

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.

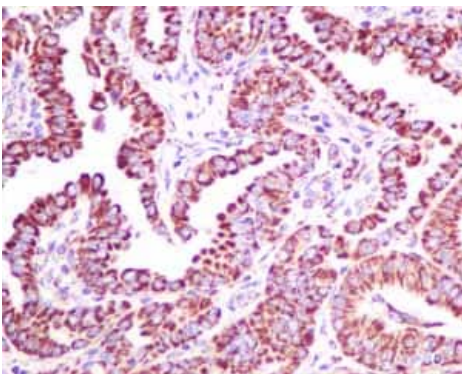


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

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.



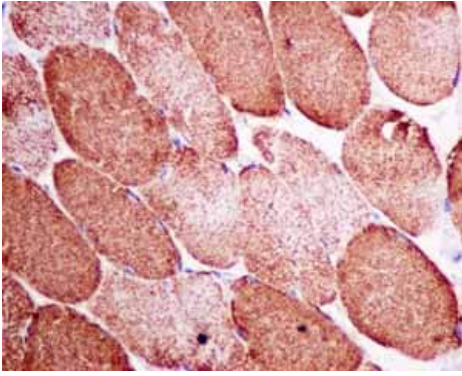
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC1/Porin + VDAC2 antibody [EPR10852(B)] - BSA and Azide free (ab240128)

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.





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

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.

#### Why choose a recombinant antibody?



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

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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