

Product datasheet

Anti-VDAC2 antibody ab47104

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概述

产品名称	Anti-VDAC2抗体
描述	兔多克隆抗体to VDAC2
宿主	Rabbit
特异性	This antibody also reconginizes VDAC3 with which its sequence is 76% homologous.
经测试应用	适用于: ICC/IF, WB, IHC-P
种属反应性	与反应: Cow, Cat, Dog, Human, Chimpanzee, Zebrafish 预测可用于: Mouse, Rat, Rabbit, Chicken, Turkey, Pig ▲
免疫原	Synthetic peptide: KKSGKIKSSYKRE , corresponding to internal sequence amino acids 120-132 of Human VDAC2 Run BLAST with Run BLAST with
阳性对照	Human brain cell lysate.

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 long term.
存储溶液	Preservative: 0.05% Sodium Azide Constituents: 0.05% BSA, PBS
纯度	Protein G purified
克隆	多克隆
同种型	IgG

应用

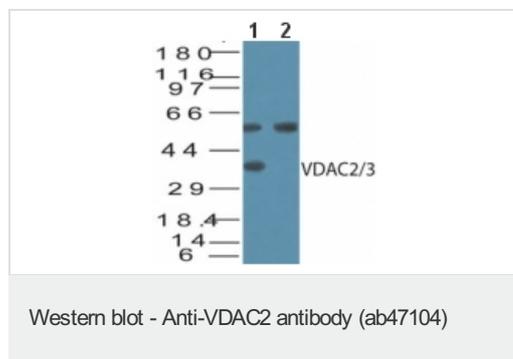
Our [Abpromise guarantee](#) covers the use of **ab47104** in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration. PubMed: 22114330
WB		Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 38 kDa (predicted molecular weight: 32 kDa).
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能	Forms a channel through the mitochondrial outer membrane that allows diffusion of small hydrophilic molecules. The channel adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV. The open state has a weak anion selectivity whereas the closed state is cation-selective.
组织特异性	Expressed in all tissues examined.
序列相似性	Belongs to the eukaryotic mitochondrial porin family.
结构域	Consists mainly of a membrane-spanning beta-barrel formed by 19 beta-strands.
细胞定位	Mitochondrion outer membrane.

图片



All lanes : Anti-VDAC2 antibody (ab47104)
at 2 µg/ml

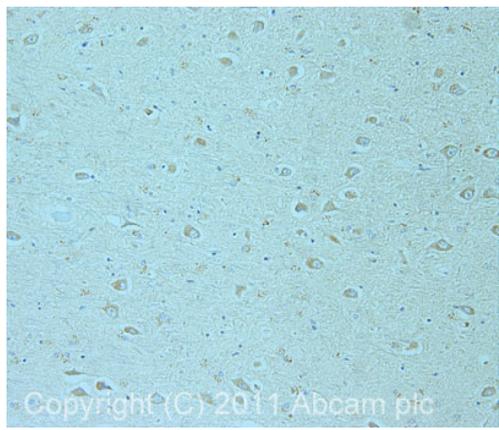
Lane 1 : Human brain cell lysate with no immunizing peptide

Lane 2 : Human brain cell lysate with immunizing peptide

Predicted band size: 32 kDa

Observed band size: 38 kDa

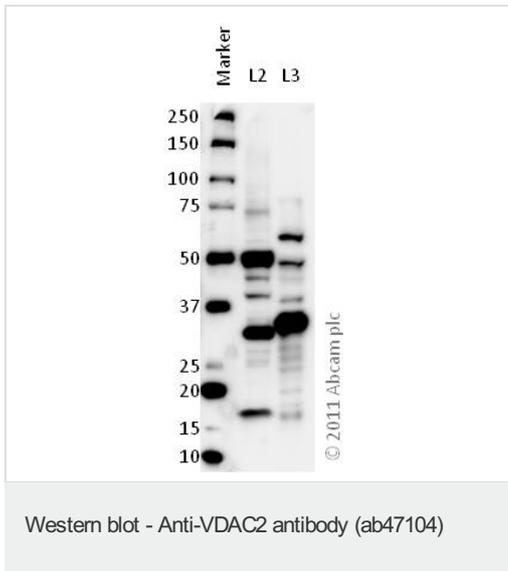
The approximately 55 kD band is not blocked by the immunizing peptide and is believed to result from non-specific cross-reaction.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VDAC2 antibody (ab47104)

IHC image of ab47104 staining in human hippocampus formalin fixed paraffin embedded tissue section, 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 20 mins. The section was then incubated with ab47104, 5µg/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.



All lanes : Anti-VDAC2 antibody (ab47104)
at 2 µg/ml

Lane 1 : Marker

Lane 2 : Zebrafish brain homogenate at 20 µg

Lane 3 : Human heart mitochondrial extract at 20 µg

Secondary

All lanes : Goat polyclonal to Rabbit IgG – H&L – Pre-Adsorbed (HRP) at 1/6000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 32 kDa

Observed band size: 30 kDa

Exposure time: 5 minutes

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