

Datasheet for ABIN2776155  
**anti-VDAC2 antibody (N-Term)**[Go to Product page](#)

## 3 Images

## Overview

|                      |                                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                |
| Target:              | VDAC2                                                                                 |
| Binding Specificity: | N-Term                                                                                |
| Reactivity:          | Human, Rat, Mouse, Dog, Cow, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio), Goat |
| Host:                | Rabbit                                                                                |
| Clonality:           | Polyclonal                                                                            |
| Conjugate:           | This VDAC2 antibody is un-conjugated                                                  |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC)                                     |

## Product Details

|                       |                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human VDAC2                                       |
| Sequence:             | VKLDVKTSC SGVEFSTSGS SNTDTGKVTG TLETKYKWCE YGLTFTEKWN                                                                            |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Goat: 79%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 79% |
| Characteristics:      | This is a rabbit polyclonal antibody against VDAC2. It was validated on Western Blot using a cell lysate as a positive control.  |
| Purification:         | Affinity Purified                                                                                                                |

## Target Details

|         |       |
|---------|-------|
| Target: | VDAC2 |
|---------|-------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | VDAC2 ( <a href="#">VDAC2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Background:       | <p>VDAC2 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.</p> <p>Alias Symbols: FLJ23841, POR</p> <p>Protein Interaction Partner: MDM2, ADRB2, FBXO6, PARK2, PHKG2, PHB, VCAM1, UBC, ITGA4, FN1, ATF2, env, MDC1, ECT2, ACAA2, TRAP1, ATP6V1F, VDAC3, VDAC1, UBE2L3, UBA52, SSBP1, SCP2, RPN1, MPV17, RPSA, HNRNPU, FLOT2, ELAVL1, DDOST, APP, Htt, ZNF454, SFXN3, THOC6, SUGP1, SEPT11, ZFR, ATP</p> <p>Protein Size: 294</p> |
| Molecular Weight: | 31 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene ID:          | 7417                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI Accession:   | <a href="#">NM_003375</a> , <a href="#">NP_003366</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt:          | <a href="#">P45880</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 294 AA                                                               |
| Restrictions:      | For Research Use only                                                              |

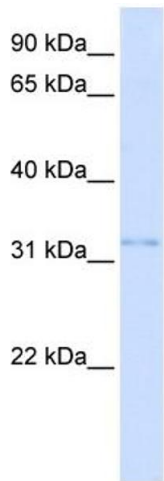
## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | Lot specific                                                                                                           |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                    |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.                                                                                     |

Handling

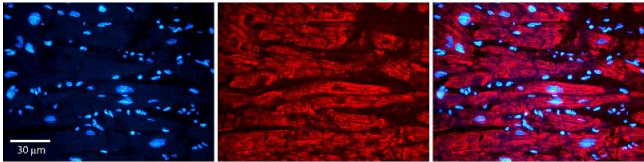
|                  |                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Storage:         | -20 °C                                                                                                                                  |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



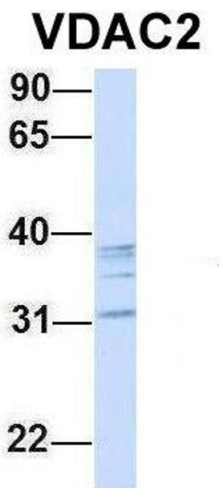
Western Blotting

**Image 1.** WB Suggested Anti-VDAC2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 293T cell lysate VDAC2 is supported by BioGPS gene expression data to be expressed in HEK293T



Immunohistochemistry

**Image 2.** Rabbit Anti-VDAC2 Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec



Western Blotting

**Image 3.** Host: Rabbit Target Name: VDAC2 Sample Type: Human Fetal Brain Antibody Dilution: 1.0ug/ml