# Rabbit VDAC2 Polyclonal Antibody | anti-VDAC2 antibody

VDAC2 Rabbit pAb

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA28374** | **Rabbit** | **Human, Mouse, Rat** | **Western Blot, Immunohistochemistry, Immunofluorescence** |

## PRODUCT SYNONYMS

VDAC2; Polyclonal Antibody; VDAC2 Rabbit pAb; POR; voltage dependent anion channel 2; anti-VDAC2 antibody

## PRODUCT SPECIFICATIONS

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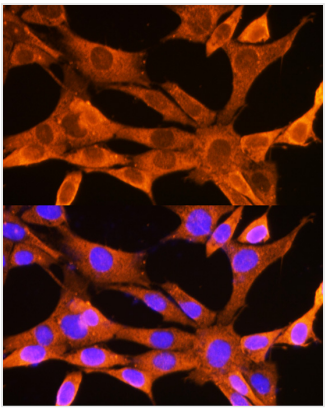
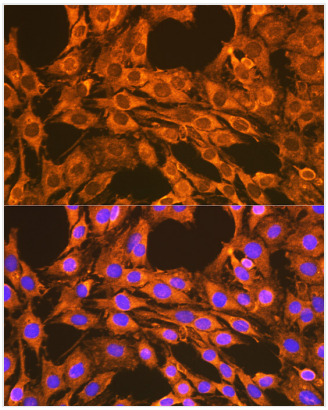
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Purity/Purification** | Affinity purification |
| **Form/Format** | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| **Applicable Applications for anti-VDAC2 antibody** | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence) |
| **Application Notes** | WB: 1:500-1:2000<br>IHC: 1:50-1:200<br>IF: 1:50-1:200 |
| **Immunogen** | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human VDAC2 (NP_003366.2). |
| **Cellular Location** | Mitochondrion outer membrane |
| **Positive Samples** | U-251MG, HepG2, HeLa, Mouse testis, Mouse kidney, Mouse brain, Rat kidney, Rat heart, Rat brain |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze/thaw cycles. |

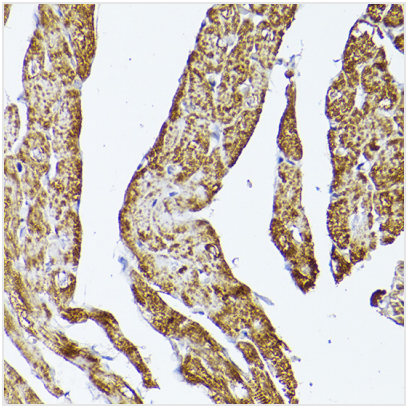
## IMAGES



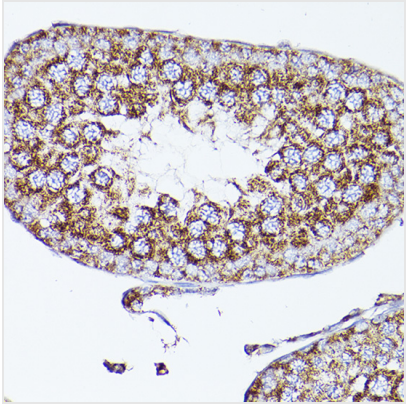
**IF (Immunofluorescence)**
Immunofluorescence analysis of NIH-3T3 cells using VDAC2 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



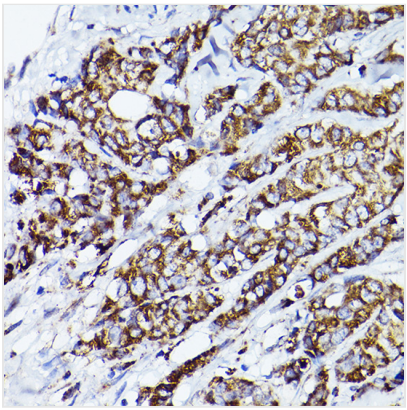
**IF (Immunofluorescence)**
Immunofluorescence analysis of C6 cells using VDAC2 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



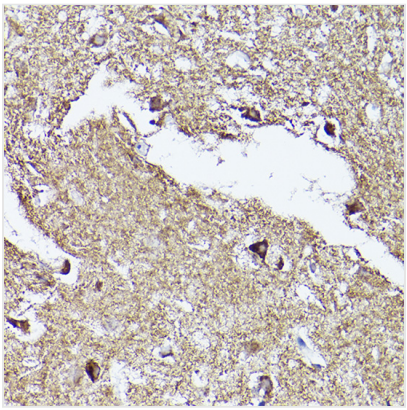
**IHC (Immunohistochemistry)**
Immunohistochemistry of paraffin-embedded rat heart using VDAC2 Rabbit pAb at dilution of 1:150 (40x lens).



**IHC (Immunohistochemistry)**
Immunohistochemistry of paraffin-embedded mouse testis using VDAC2 Rabbit pAb at dilution of 1:150 (40x lens).



**IHC (Immunohistochemistry)**
Immunohistochemistry of paraffin-embedded human breast cancer using VDAC2 Rabbit pAb at dilution of 1:150 (40x lens).



**IHC (Immunohistochemistry)**
Immunohistochemistry of paraffin-embedded human brain using VDAC2 Rabbit pAb at dilution of 1:150 (40x lens).

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-VDAC2 antibody** | Background: This gene encodes a member of the voltage-dependent anion channel pore-forming family of proteins that are considered the main pathway for metabolite diffusion across the mitochondrial outer membrane. The encoded protein is also thought to be involved in the mitochondrial apoptotic pathway via regulation of BCL2-antagonist/killer 1 protein activity. Pseudogenes have been identified on chromosomes 1, 2, 12 and 21, and alternative splicing results in multiple transcript variants. |
| **Product Categories/Family for anti-VDAC2 antibody** | Endocrine & Metabolism; Mitochondrial metabolism; Mitochondrial markers; Research; Endocrine & Metabolism; Warburg Effect; Research; Cell Biology & Developmental Biology; Ferroptosis |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 158518391 |
| **NCBI GeneID** | 7417 |
| **UniProt Accession #** | P45880; Q5VWK1; Q5VWK3; Q6IB40; Q7L3J5; Q9BWK8; Q9Y5I6 |
| **Molecular Weight** | 294 |
| **NCBI Official Full Name** | Voltage-dependent anion-selective channel protein 2 |
| **NCBI Official Synonym Full Names** | voltage-dependent anion channel 2 |
| **NCBI Official Symbol** | VDAC2 |
| **NCBI Official Synonym Symbols** | POR |

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|---|---|
| **NCBI Protein Information** | voltage-dependent anion-selective channel protein 2; outer mitochondrial membrane protein porin 2 |
| **UniProt Protein Name** | Voltage-dependent anion-selective channel protein 2 |
| **UniProt Gene Name** | **VDAC2** |
| **UniProt Synonym Gene Names** | VDAC-2; hVDAC2 |
| **UniProt Entry Name** | VDAC2_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/vdac2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28374