VDAC1 / Porin Monoclonal Antibody

**Catalog No.**  A11242  
**Category**  Monoclonal Antibodies

**Applications**  WB, IHC, IF  
**Observed MW**  36kDa

**Cross-reactivity**  Human, Mouse, Rat  
**Calculated MW**  30kDa

### Immunogen Information

**Immunogen**  Recombinant fusion protein containing a sequence corresponding to amino acids 1-283 of human VDAC1 / Porin (NP_003365.1).

**Gene ID**  7416  
**Swiss prot**  P21796  
**Synonyms**  VDAC1; PORIN; VDAC-1; voltage dependent anion channel 1

### Product Information

**Source**  Rabbit  
**Isotype**  IgG  
**Purification method**  Affinity purification  
**Storage**  Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

This gene encodes a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane. The encoded protein facilitates the exchange of metabolites and ions across the outer mitochondrial membrane and may regulate mitochondrial functions. This protein also forms channels in the plasma membrane and may be involved in transmembrane electron transport. Alternate splicing results in multiple transcript variants. Multiple pseudogenes of this gene are found on chromosomes 1, 2 3, 6, 9, 12, X and Y.

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**Recommended Dilutions**

**WB**  1:500 - 1:2000  
**IHC**  1:50 - 1:200  
**IF**  1:50 - 1:200

Western blot analysis of extracts of various cell lines, using VDAC1 / Porin antibody (A11242) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

Immunohistochemistry of paraffin-embedded human liver cancer using VDAC1 / Porin antibody (A11242) at dilution of 1:100 (40x lens).

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Immunohistochemistry of paraffin-embedded human stomach using VDAC1 / Porin antibody (A11242) at dilution of 1:100 (40x lens).  
Immunohistochemistry of paraffin-embedded mouse heart using VDAC1 / Porin antibody (A11242) at dilution of 1:100 (40x lens).
Immunohistochemistry of paraffin-embedded mouse kidney using VDAC1 / Porin antibody (A11242) at dilution of 1:100 (40x lens).

Immunofluorescence analysis of NIH/3T3 cells using VDAC1 / Porin antibody (A11242) at dilution of 1:100. Blue: DAPI for nuclear staining.