

## Product datasheet for **TA365439**

### VDAC1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Jurkat cell, 293T cell, Mouse kidney tissue lysates IHC: 150-300 Positive control: Human prostate cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human VDAC1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	31 kDa
Gene Name:	voltage dependent anion channel 1
Database Link:	<a href="#">Entrez Gene 7416 Human P21796</a>



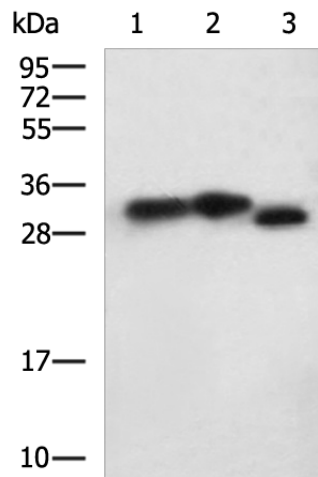
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**Background:**

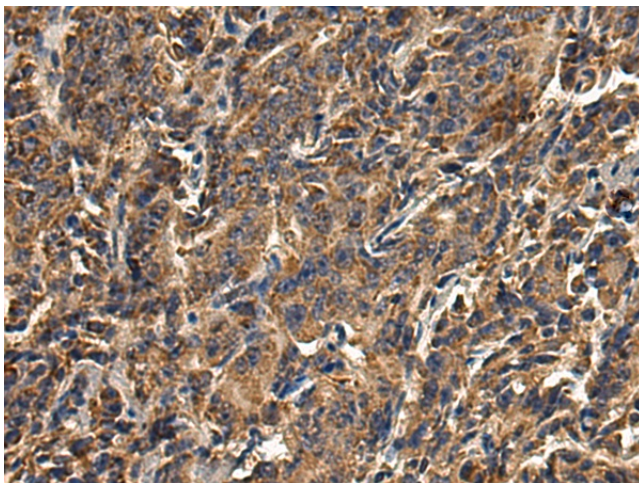
Voltage-dependent anion channel (VDAC), ubiquitously expressed and located in the outer mitochondrial membrane, is generally thought to be the primary means by which metabolites diffuse in and out of the mitochondria. In addition, this channel plays a role in apoptotic signaling. The change in mitochondrial permeability characteristic of apoptosis is mediated by Bcl-2 family proteins, which bind to VDAC, altering the channel kinetics. Homodimerization of VDAC may be a mechanism for changing mitochondrial permeability and supporting release of cytochrome c. In mammalian cells, there are three VDAC isoforms, VDAC1, which is the most widely expressed isoform, as well as VDAC2 and VDAC3.

**Synonyms:**

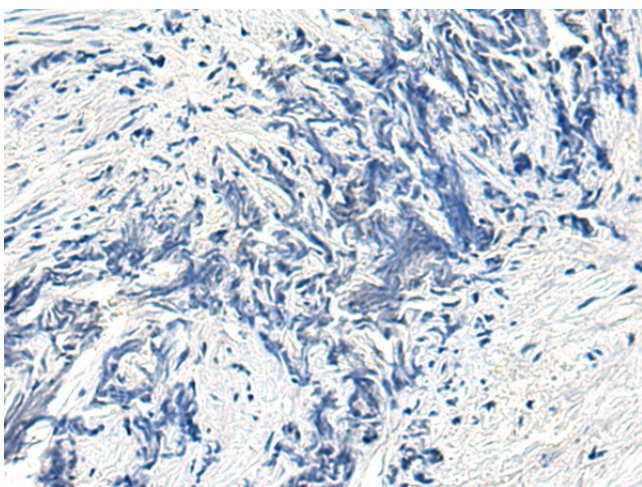
hVDAC1; MGC111064; OTTHUMP00000159381; OTTHUMP00000165946; PORIN; PORIN-31-HL; VDAC; VDAC-1

**Product images:**


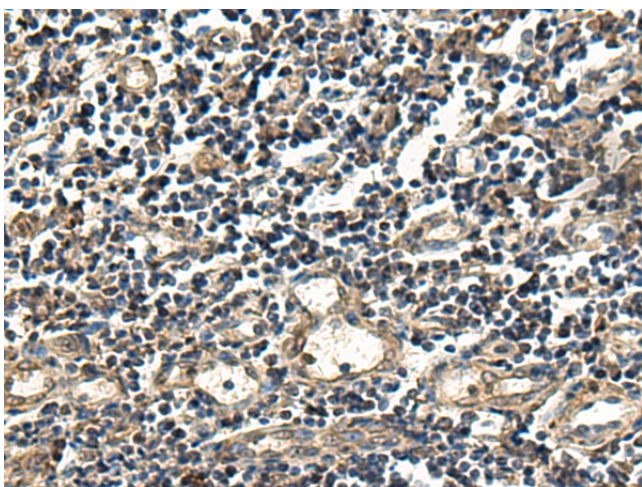
Gel: 12%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-3: Jurkat cell  
 293T cell  
 Mouse kidney tissue lysates  
 Primary antibody: TA365439 (VDAC1 Antibody) at dilution 1/1150  
 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
 Exposure time: 30 seconds



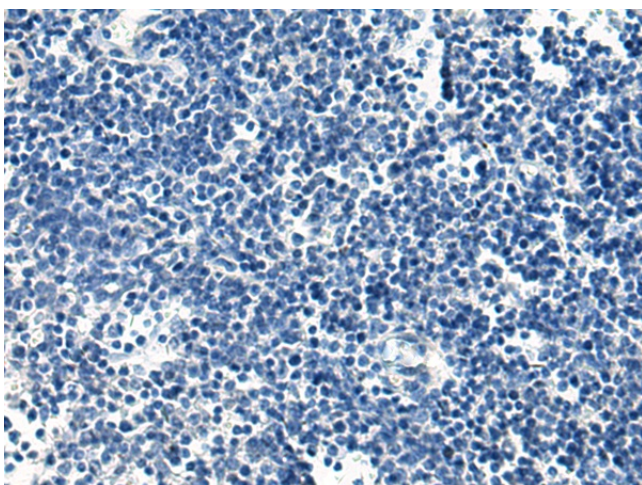
Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA365439 (VDAC1 Antibody) at dilution 1/150 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA365439 (VDAC1 Antibody) at dilution 1/150, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA365439 (VDAC1 Antibody) at dilution 1/150 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA365439 (VDAC1 Antibody) at dilution 1/150, treated with fusion protein. (Original magnification: ×200)