

For Research Use Only

# VDAC2 Monoclonal antibody

Catalog Number: 66388-1-Ig **4 Publications**



## Basic Information

<b>Catalog Number:</b> 66388-1-Ig	<b>GenBank Accession Number:</b> NM_003375	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1500 ug/ml	<b>GeneID (NCBI):</b> 7417	<b>CloneNo.:</b> 1D8C11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P45880	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> voltage-dependent anion channel 2	
	<b>Calculated MW:</b> 33 kDa	
	<b>Observed MW:</b> 30-33 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, ROS1728 cells
<b>Cited Applications:</b> WB, IHC	<b>IHC :</b> human heart tissue, human kidney tissue, human liver tissue
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

VDAC2 belongs to the eukaryotic mitochondrial porin family. It forms a channel through the mitochondrial outer membrane that allows diffusion of small hydrophilic molecules.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yanbo Xie	35466412	Drug Dev Res	WB
Yan Tang	38753484	Cell Rep	WB
Guang Lei	38552003	Cancer Discov	WB

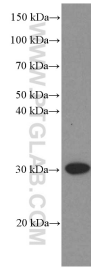
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

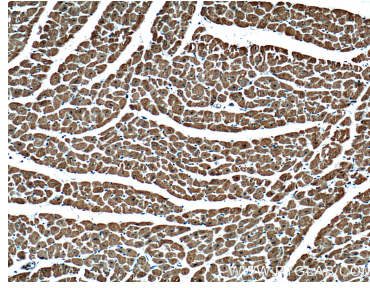
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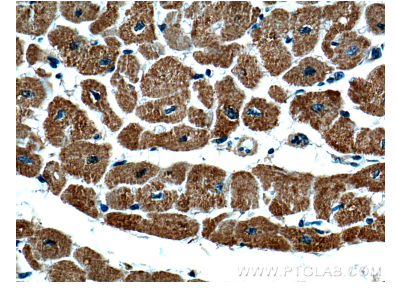
## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 66388-1-Ig (VDAC2 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66388-1-Ig (VDAC2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66388-1-Ig (VDAC2 Antibody) at dilution of 1:200 (under 40x lens).