

For Research Use Only

# VDAC2 Polyclonal antibody

Catalog Number: 55261-1-AP

2 Publications



## Basic Information

Catalog Number:

55261-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_003375

GeneID (NCBI):

7417

UNIPROT ID:

P45880

Full Name:

voltage-dependent anion channel 2

Calculated MW:

33 kDa

Observed MW:

31-33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HepG2 cells, mouse brain tissue, HuH-7 cells

IHC : human kidney tissue, human heart tissue

## 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. This antibody is specific to VDAC2.

## Notable Publications

| Author       | Pubmed ID | Journal              | Application |
|--------------|-----------|----------------------|-------------|
| Meiying Yang | 32901466  | Cell Physiol Biochem | WB          |
| Zhexu Chi    | 39260418  | Nature               | WB          |

## Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

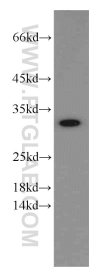
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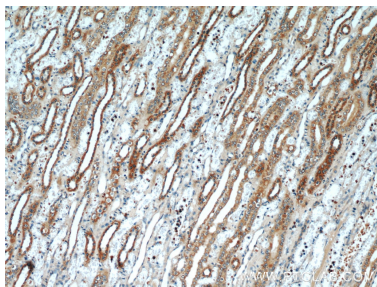
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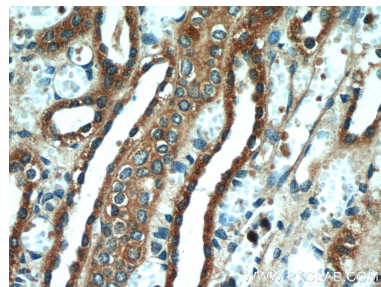
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 55261-1-AP (VDAC2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 55261-1-AP (VDAC2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 55261-1-AP (VDAC2 antibody) at dilution of 1:50 (under 40x lens).