A19707

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# VDAC1 Rabbit mAb

**Catalog No.: A19707** Recombinant 26 Publications

## Basic Information

**Observed MW**
31kDa

**Calculated MW**
31kDa

**Category**
SMab Recombinant Monoclonal Antibody

**Applications**
WB,IHC-P,IF/ICC,ELISA

**Cross-Reactivity**
Human,Mouse,Rat

**CloneNo number**
ARC0187

## 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.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:2000 |
| **IHC-P** | 1:50 - 1:200 |
| **IF/ICC** | 1:50 - 1:200 |

## Immunogen Information

**Gene ID**
7416

**Swiss Prot**
P21796

**Immunogen**
A synthetic peptide corresponding to a sequence within amino acids 1-100 of human VDAC1 (P21796).

**Synonyms**
PORIN; VDAC-1; VDAC1

## Contact

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## Product Information

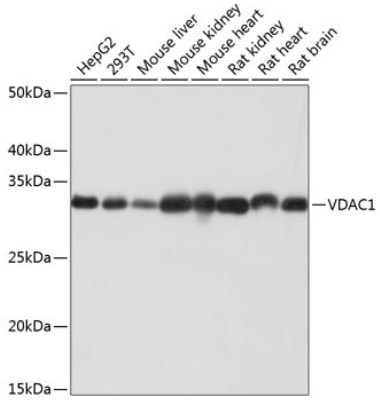
**Source**
Rabbit

**Isotype**
IgG

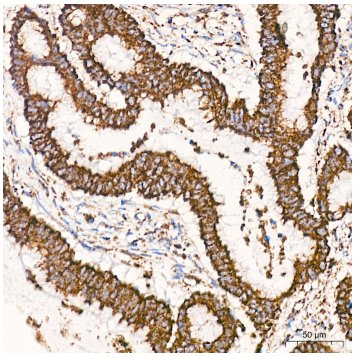
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

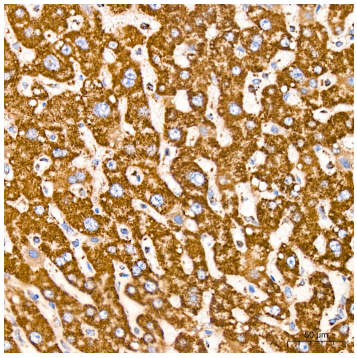
## Validation Data



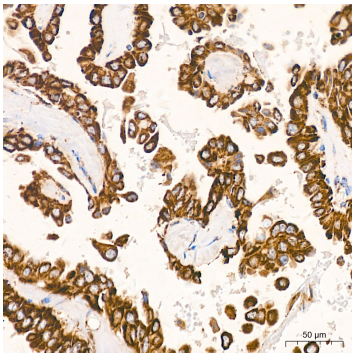

Western blot analysis of extracts of various cell lines, using VDAC1 antibody (A19707) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



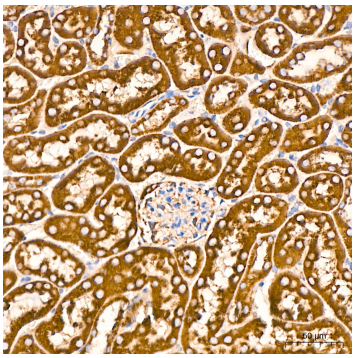
Immunohistochemistry analysis of VDAC1 in paraffin-embedded human colon carcinoma tissue using VDAC1 Rabbit mAb (A19707) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



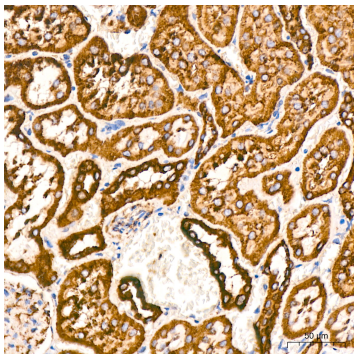
Immunohistochemistry analysis of VDAC1 in paraffin-embedded human liver tissue using VDAC1 Rabbit mAb (A19707) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



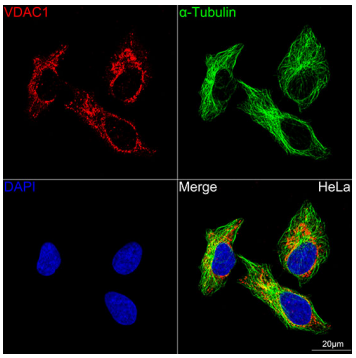
Immunohistochemistry analysis of VDAC1 in paraffin-embedded human thyroid cancer tissue using VDAC1 Rabbit mAb (A19707) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of VDAC1 in paraffin-embedded mouse kidney tissue using VDAC1 Rabbit mAb (A19707) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of VDAC1 in paraffin-embedded rat kidney tissue using VDAC1 Rabbit mAb (A19707) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.




Confocal imaging of HeLa cells using VDAC1 Rabbit mAb (A19707,dilution 1:100)(Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.