

VDAC3 Rabbit pAb

Catalog No.: A10544 **3 Publications**

Basic Information

Observed MW

31 kDa

Calculated MW

31 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IHC-P,ELISA

Cross-Reactivity

Human, Mouse

Background

This gene encodes a voltage-dependent anion channel (VDAC), and belongs to the mitochondrial porin family. VDACS are small, integral membrane proteins that traverse the outer mitochondrial membrane and conduct ATP and other small metabolites. They are known to bind several kinases of intermediary metabolism, thought to be involved in translocation of adenine nucleotides, and are hypothesized to form part of the mitochondrial permeability transition pore, which results in the release of cytochrome c at the onset of apoptotic cell death. Alternatively transcript variants encoding different isoforms have been described for this gene.

Recommended Dilutions

| | |
|---------------|---|
| WB | 1:500 - 1:4000 |
| IF/ICC | 1:50 - 1:200 |
| IHC-P | 1:50 - 1:200 |
| ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

Contact

| | |
|--|---------------------------|
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Immunogen Information

Gene ID

7419

Swiss Prot

Q9Y277

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

VDAC-3; HD-VDAC3; VDACS

Product Information

Source

Rabbit

Isotype

IgG

Purification

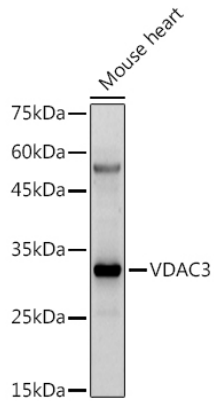
Affinity purification

Storage

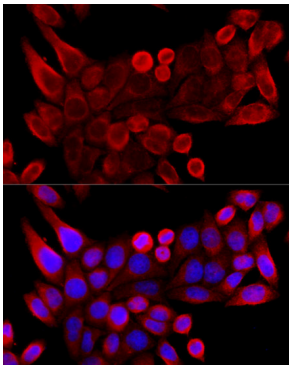
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

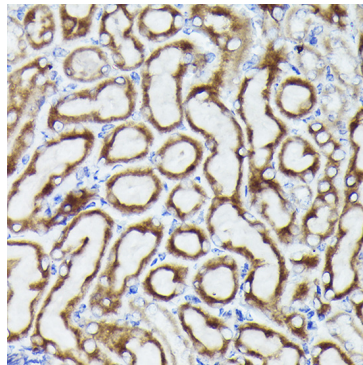
Validation Data



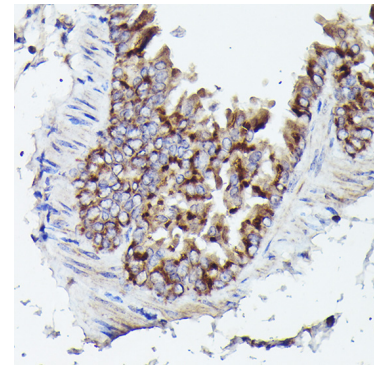
Western blot analysis of lysates from Mouse heart, using VDAC3 Rabbit pAb (A10544) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



Immunofluorescence analysis of HeLa cells using VDAC3 Rabbit pAb (A10544) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using VDAC3 Rabbit pAb (A10544) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse lung using VDAC3 Rabbit pAb (A10544) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.