
VDAC3 Rabbit pAb

Catalog Number: bs-7647R

Target Protein: VDAC3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Mouse,Rat (predicted:Human,Rabbit,Pig,Sheep,Cow,Dog,Horse)

Predicted MW: 31 kDa

Entrez Gene: 7419

Swiss Prot: Q9Y277

Source: KLH conjugated synthetic peptide derived from human VDAC3: 101-200/283.

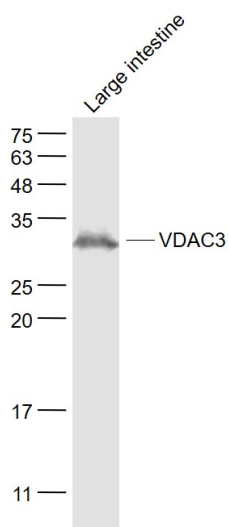
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

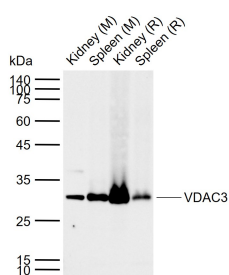
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, Oct 2011]

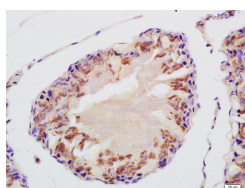
VALIDATION IMAGES



Sample: Large intestine(Rat) Lysate at 40 ug Primary: Anti- VDAC3 (bs-7647R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 31 kD



Sample: Lane 1: Mouse Kidney tissue lysates Lane 2: Mouse Spleen tissue lysates Lane 3: Rat Kidney tissue lysates Lane 4: Rat Spleen tissue lysates Primary: Anti-VDAC3 (bs-7647R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kDa Observed band size: 31 kDa



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-VDAC3 Polyclonal Antibody, Unconjugated(bs-7647R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.792] Zixuan Liu. et al. Iron-bearing nanoparticles trigger human umbilical vein endothelial cells ferroptotic responses by promoting intracellular iron level. Environ Pollut. 2021 Oct;287:117345 WB ; Human . 34004477

[IF=5.638] Qi H et al. Succinylation-dependent mitochondrial translocation of PKM2 promotes cell survival in response to nutritional stress. Cell Death Dis. 2019 Feb 20;10(3):170. CoIP ; Human . 30787272

[IF=4.101] Haixiang Ding. et al. Ailanthone suppresses the activity of human colorectal cancer cells through the STAT3 signaling pathway. Int J Mol Med. 2022 Feb;49(2):1-11 WB ; Human . 34958109

[IF=3.076] Tang Q et al. Ferroptosis is newly characterized form of neuronal cell death in response to arsenite exposure. Neurotoxicology. 2018 Jul;67:27-36. WB ; Mouse . 29678591