

bs-23683R**[Primary Antibody]****VDAC Rabbit pAb****Bioss**
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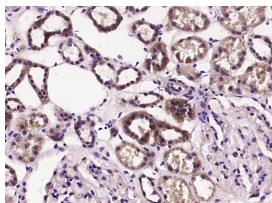
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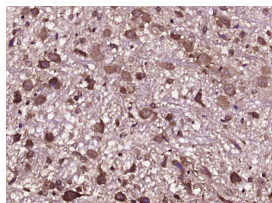
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 7416		
Target: VDAC		Reactivity: Human, Mouse (predicted: Rat, Rabbit, Sheep, Cow, Chicken, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human VDAC: 221-307/307.		Predicted MW.: 32 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane ,Cytoplasm
Concentration: 1mg/ml		
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: Voltage dependent anion selective channel protein 1 (VDAC/Porin) belongs to the eukaryotic mitochondrial porin family and forms a channel through the mitochondrial outer membrane and also the plasma membrane. The channel allows diffusion of small hydrophilic molecules; it adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV. The open state has a weak anion selectivity whereas the closed state is cation selective. VDAC/Porin expression is observed in the heart,liver and skeletal muscle.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Human kidney tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VDAC) Polyclonal Antibody, Unconjugated (bs-23683R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellar tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VDAC) Polyclonal Antibody, Unconjugated (bs-23683R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

— SELECTED CITATIONS —

- **[IF=7.4]** Li Ying. et al. Glutathionylation of a glycolytic enzyme promotes cell death and vigor loss during aging of elm seeds. PLANT PHYSIOL. 2024 Apr;; WB ;Siberian Elm. 38637315
- **[IF=5.396]** Yi Zhao. et al. Role of mitochondria-endoplasmic reticulum coupling in lycopene preventing DEHP-induced hepatotoxicity. Food Funct. 2021 Sep;; WB ;mouse. 34608470
- **[IF=4.8]** Zhili Ding. et al. Allogeneic platelet lysate activates the SIRT1-PINK1/Parkin pathway: A promising approach for improving mitochondrial function in an in vitro model of intervertebral disc degeneration. INT IMMUNOPHARMACOL. 2025

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Jan;144:113700 WB ;Rabbit. 39626535

- **[IF=4.8]** Wenjing Lu. et al. Vitamin D status alters genes involved in ovarian steroidogenesis in muskrat granulosa cells. BBA-MOL CELL BIOL L. 2024 May;1869:159469 IHC ;Muskrat. 38402945
- **[IF=4.2]** Shuai Xiao. et al. Deciphering the Hazardous Effects of AFB1 and T-2 Toxins: Unveiling Toxicity and Oxidative Stress Mechanisms in PK15 Cells and Mouse Kidneys. TOXINS. 2023 Aug;15(8):503 Other ;Mouse. 37624260