

# VDAC1 Recombinant antibody

**Cat:**B31010T

**Company:** HaoKebio

**Uniprot ID:**P21796

**Applications:** IHC:1:250-1:1000

**Organism:**Rabbit

IHC-Polymer:1:1000-1:4000

**Species reactivity:**Human Mouse Rat

IHC-TSA:1:1200-1:5000

**Molecular Weight Calculation:** 31 kDa

IF:1:50

**Observed Molecular Weight:** 31 kDa

WB:1:1000-1:5000

FC:1:100-1:300

**Background:**

VDAC1, also named as VDAC, porin 31HM, porin 31HL and plasmalemmal porin, belongs to the eukaryotic mitochondrial porin family. It adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV, to form a channel through the mitochondrial outer membrane and also the plasma membrane. Unlike other membrane transport proteins, porins are large enough to allow passive diffusion. Studies have shown that VDAC1 is subject to both phosphorylation and acetylation. The apparent molecular weight of VDAC1 is 30-37 kDa. Hypoxic conditions were found to trigger cleavage of the VDAC1 C-terminal to yield a 26-kDa truncated but active form. This antibody is specific to VDAC1.

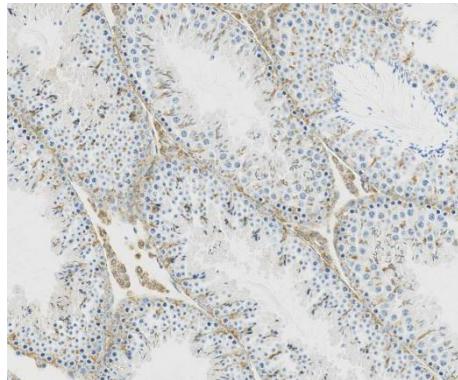
PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

**Storage:**

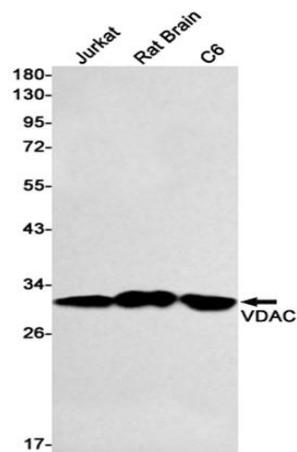
Store at -20 °C for one year.

**Experimental procedure:**

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Images:**


Sample: Mouse testis, 4% PFA 12-24h


**Synonyms:**

Porin, VDAC1, 2F4, hVDAC1, Plasmalemmal porin

**Immunogen:**

Recombinant protein

**Isotype:**

IgG

**Subcellular location:**

Cytoplasm

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

Dilution of 1:5000 incubated at room temperatur  
e for 1.5 hours.

**Source of Reagents:**

发表[中文论文]请标注:VDAC1(B31010T)由杭  
州浩克生物技术有限公司提供;

发表[英文论文]请标注:VDAC1(B31010T) wer  
e kindly provided by Hangzhou Haoke Biotechno  
logy Co., Ltd.