

Recombinant

DGRmAb®

VDAC1 (DGR11765) Rabbit mAb

db12109

Package : 10µL 20µL 50µL 100µL

Product Name : VDAC1 (DGR11765) Rabbit mAb

Cat.No.: db12109

Synonyms : PORIN; VDAC-1

Application : WB, IHC-P, ICC/IF

Reactivity : Human,Mouse,Rat

Host species : Rabbit

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.[provided by RefSeq, Sep 2010]

Immunogen

A synthetic peptide of human VDAC1

Gene ID

7416

Swiss Prot

P21796

Synonyms

PORIN; VDAC-1

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF

Recommended dilution

WB: 1:1000-1:5000
 IHC-P: 1:100-1:200
 ICC/IF: 1:500-1:1000

Calculated MW

31 kDa

Observed MW

31 kDa

Host species

Rabbit

Clonality

Monoclonal

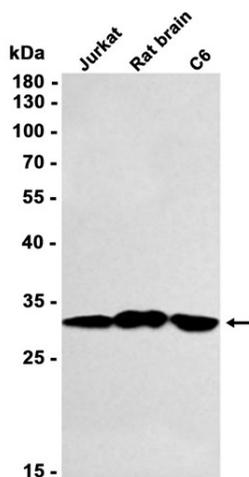
Clonality No.

DGR11765

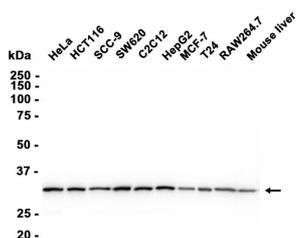
Isotype

IgG

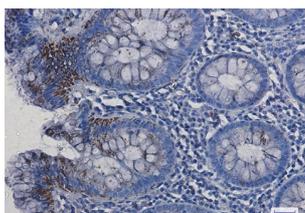
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



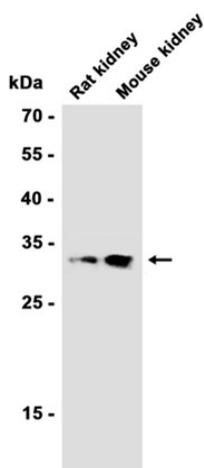
Western blot analysis of extracts from Jurkat, C6 cells and Rat brain tissue using db12109 at 1:1000.



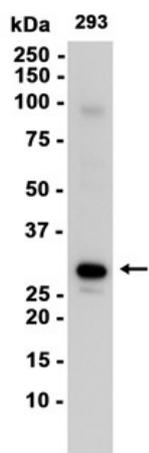
Western blot analysis of extracts from HeLa, HCT116, SCC-9, SW620, C2C12, HepG2, MCF-7, T24, RAW264.7 cells and Mouse liver tissue using db12109 at 1:1000.



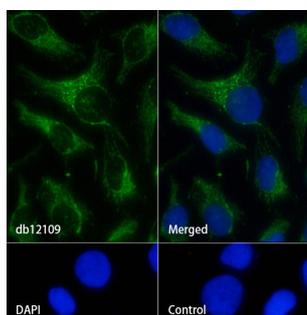
Immunohistochemical analysis of paraffin-embedded human colon cancer using db12109 antibody.



Western blot analysis of extracts from Rat kidney, Mouse kidney tissues using db12109 at 1:1000.



Western blot analysis of extracts from 293 cells using db12109 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling VDAC1 with db12109.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12109 (1:500) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.