

Recombinant

DGRmAb®

VDAC1 (DGR11765) Rabbit mAb (PBS Only)

db12109-PBS

Package : 10µg 100µg

Product Name : VDAC1 (DGR11765) Rabbit mAb (PBS Only)**Cat.No.:** db12109-PBS**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

Calculated MW

31 kDa

Observed MW

31 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR11765

Isotype

IgG

Purity

Affinity Purification

Conjugation

Un-conjugated

Concentration

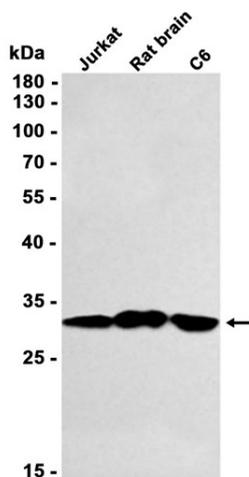
1 mg/mL

Formulation

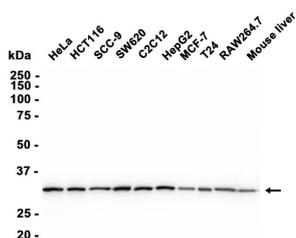
PBS Only

Storage Stability

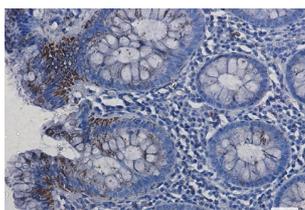
Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



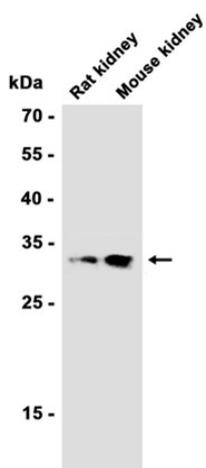
Western blot analysis of extracts from Jurkat, C6 cells and Rat brain tissue using [db12109](#) at 1:1000.



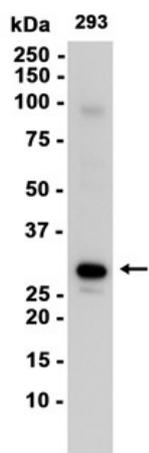
Western blot analysis of extracts from HeLa, HCT116, SCC-9, SW620, C2C12, HepG2, MCF-7, T24, RAW264.7 cells and Mouse liver tissue using [db12109](#) at 1:1000.



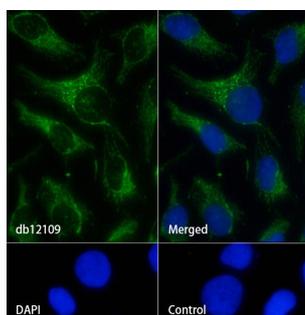
Immunohistochemical analysis of paraffin-embedded human colon cancer using [db12109](#) antibody.



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.