

CAG901Hu22

Anti-Voltage Dependent Anion Channel Protein 1 (VDAC1) Monoclonal Antibody

Organism Species: *Homo sapiens* (Human)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2b Kappa

Purification: Protein A+G Affinity Chromatography.

Clone number: C1

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant VDAC1 (Ala2~Ala283) expressed in *E.coli*.

Accession No.: RPG901Hu01

[ORGANISM SPECIES MORE]

React with: Human, mouse, rat, rabbit, canine, ovine, bovine, porcine;

Other species have not been detected.

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

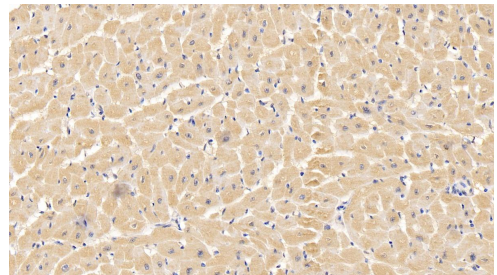
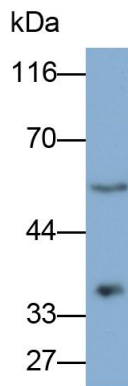
Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 12 months.

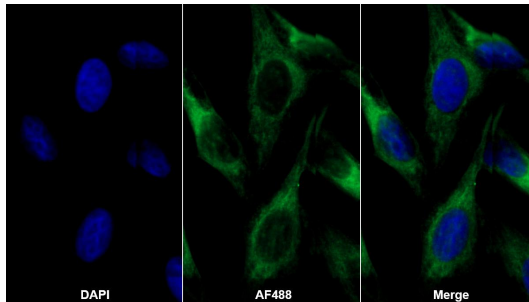
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[**IDENTIFICATION**]



Western Blot; Sample: Rat Spleen lysate
Primary Ab: 1 μ g/ml Mouse Anti-Human
VDAC1 Antibody
Second Ab: 0.2 μ g/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

DAB staining on IHC-P;
Samples: Human Cardiac Muscle Tissue;
Primary Ab: 10 μ g/ml Mouse Anti-Human VDAC1
Antibody
Second Ab: 2 μ g/ml HRP-Linked Caprine
Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



AF488 staining on IF;

Sample: Hela cell

Primary Ab: 20 μ g/ml Mouse Anti-Human VDAC1 Antibody

Second Ab: 2 μ g/ml AF488-Linked Caprine Anti-Mouse IgG

Polyclonal Antibody

(Catalog: SAA544Mu11)

[Important Note]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.