Datasheet for ABIN7427192

anti-VDAC1 antibody (AA 2-283)

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Overview

Quantity:	100 µL
Target:	VDAC1
Binding Specificity:	AA 2-283
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VDAC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Monoclonal Antibody to Voltage Dependent Anion Channel Protein 1 (VDAC1)
Immunogen:	Recombinant Voltage Dependent Anion Channel Protein 1 (VDAC1) corresdonding to Ala2~Ala283 with N-terminal His and GST Tag
Clone:	C1
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against VDAC1. It has been selected for its ability to recognize VDAC1 in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

Target Details

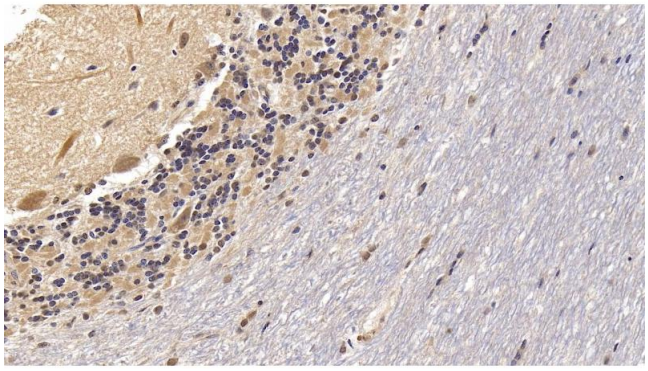
Target:	VDAC1
Alternative Name:	VDAC1 (VDAC1 Products)
Background:	PORIN-31-HL, Porin 31HM, Plasmalemmal porin, Outer mitochondrial membrane protein porin 1, Voltage-dependent anion-selective channel protein 1
UniProt:	P21796

Application Details

Application Notes:	Western blotting: 0.01-2 µg/mL,Immunohistochemistry: 5-20 µg/mL,Optimal working dilutions must be determined by end user.
Comment:	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.
Restrictions:	For Research Use only

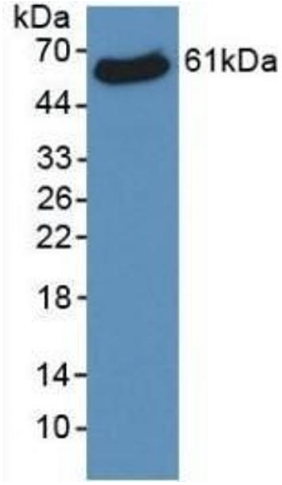
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



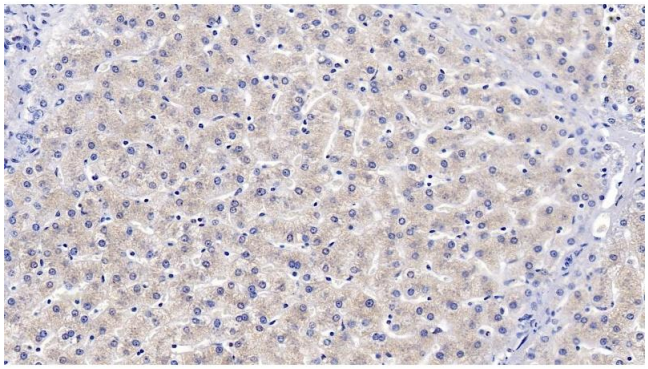
Immunohistochemistry

Image 1. Detection of VDAC1 in Human Cerebellum Tissue using Monoclonal Antibody to Voltage Dependent Anion Channel Protein 1 (VDAC1)



Western Blotting

Image 2. Detection of Recombinant VDAC1, Human using Monoclonal Antibody to Voltage Dependent Anion Channel Protein 1 (VDAC1)



Immunohistochemistry

Image 3. Detection of VDAC1 in Human Liver Tissue using Monoclonal Antibody to Voltage Dependent Anion Channel Protein 1 (VDAC1)