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Datasheet for 200-302-W70

VDAC1 Antibody Fluorescein

Overview

Description:	Anti-VDAC1 (MOUSE) Monoclonal Antibody Fluorescein Conjugated - 200-302-W70
Item No.:	200-302-W70
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Voltage-dependent anion-selective channel protein 1 (also known as VDAC, VDAC1 or outer mitochondrial membrane protein porin 1) is the outer mitochondrial membrane receptor for hexokinase and BCL2L1. VDAC forms a channel through the mitochondrial membrane and is involved in small molecule diffusion, cell volume regulation and apoptosis. VDAC may participate in the formation of the permeability transition pore complex (PTPC), which is responsible for the release of mitochondrial products that triggers apoptosis. Anti-VDAC1 is ideal for research in Cell Biology and Apoptosis.
Synonyms:	Voltage Dependent Anion Channel 1, Porin, Voltage dependent anion selective channel protein 1, Voltage-dependent anion-selective channel protein 1, hVDAC1, MGC111064, Mitochondrial Porin, Outer mitochondrial membrane protein porin 1, Plasmalemmal porin
Host Species:	Mouse
Conjugate:	Fluorescein (FITC)
Clonality:	Monoclonal
Clone ID:	S152B-23
Format:	IgG2a

Target Details

Gene Name:	VDAC1
Reactivity:	Human, Mouse, Rat

Immunogen Type:	Recombinant Protein
Immunogen:	Anti-VDAC1 Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 1-293 (full length) of human VDAC1.
Purity/Specificity:	Anti-VDAC1 Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests that it is 98% identical to mouse, 98% identical to rat and >60% identical to VDAC2 and VDAC3.
Relevant Links:	• UniProtKB - P21796 • GeneID - 7416

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-VDAC1 FITC Conjugated Antibody is tested for Western Blots, Immunohistochemistry and Immunocytochemistry. Expect a band approximately ~30kDa on specific lysates or tissues. Does not cross react with VDAC2 or VDAC3 (based on KO validation results). Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IHC:	User Optimized
WB:	1:1000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Conjugated antibodies should be stored according to the product label. Product stored in 640.91mM DMSO, 136.36mM Ethanolamine, 9.09mM Sodium Bicarbonate in 90.9% PBS.
Expiration:	Expiration date is one (1) year from date of receipt.

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