

ABfinity™ Mitochondrial Porin Recombinant Rabbit Oligoclonal Antibody

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Catalog Number 710606

Pub. No. MAN0009609 Rev. 1.00

Clonality: Oligoclonal	Quantity: 100 µg	Volume: 200 µL	Concentration: 0.5mg/mL
Host/Class: Rabbit IgG	Reactivity: Human Mitochondrial Porin	Predicted Reactivity: Human	

Product Description

Porin belongs to the eukaryotic mitochondrial porin family of voltage dependent anion channels which allow the transport of adenine nucleotides and other metabolites through the outer mitochondrial membrane. The conformation of the protein is regulated by membrane potential, which affects its divalent metal ion selectivity. Porin is also involved in mitochondrial apoptosis, forming permeability transition pore complexes (PTPC) in association with adenine nucleotide transporter, and cyclophilin D, leading to release of apoptogenic factors that activate caspases and initiate cell death.

Product Specifications

Immunogen:	Recombinant protein corresponding to amino acids 150–250 of human Mitochondrial Porin
Apparent MW:	~30 kDa
Gene ID:	7416
Synonyms:	VDAC (voltage dependent anion channel), VDAC1
Protein Accession No.:	P21796
Sequence Identity:	Human
Isotype:	IgG
Lot:	See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Hek293 cells	1–2 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5 × 10 ⁻⁴ to 3 µg/mL

Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or -20°C for long storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

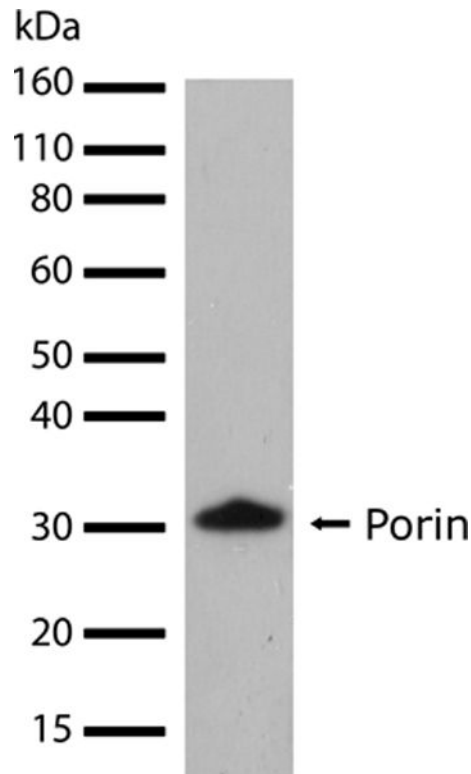


Figure 1 Western blot analysis of ABfinity™ Mitochondrial Porin Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710606).

Western blot analysis was performed on whole cell extracts of HEK293 cells. Endogenous level of Mitochondrial Porin was detected at ~30 kDa using ABfinity™ Mitochondrial Porin Recombinant Rabbit Oligoclonal Antibody at a concentration of 1 µg/mL, followed by Goat Anti-Rabbit HRP (Cat. no. G21234) as a secondary antibody. The blot was developed using enhanced chemiluminescence (ECL) method.

Storage buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at www.lifetechnologies.com/support.

Product documentation

To obtain a Certificate of Analysis or Safety Data Sheet (SDS), visit <http://www.lifetechnologies.com/support>.

Limited product warranty

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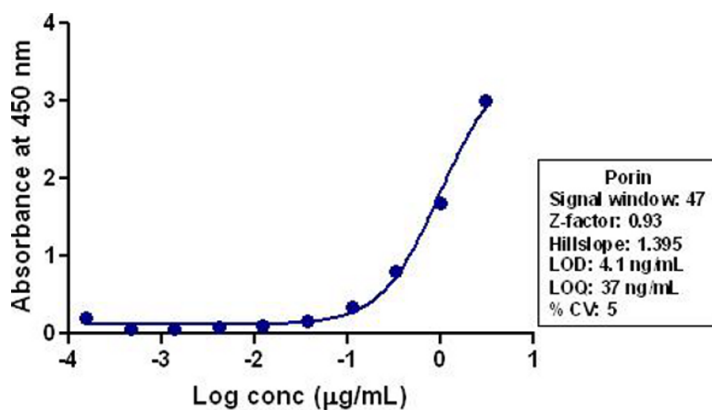


Figure 2 Indirect ELISA of ABfinity™ Mitochondrial Porin Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710606).

Indirect ELISA was performed to detect various dilutions of ABfinity™ Mitochondrial Porin Recombinant Rabbit Oligoclonal Antibody, by followed by Goat Anti-Rabbit HRP (Cat. no. G21234) to detect Mitochondrial Porin coated on the plate. A non-linear regression analysis was performed (4 PL), LOD, and LOQ for the antibody was determined.

Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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