

VDAC2 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP21559a**Specification**

VDAC2 Blocking Peptide (N-term) - Product InformationPrimary Accession [P45880](#)**VDAC2 Blocking Peptide (N-term) - Additional Information****Gene ID** 7417**Other Names**

Voltage-dependent anion-selective channel protein 2, VDAC-2, hVDAC2, Outer mitochondrial membrane protein porin 2, VDAC2

Target/Specificity

The synthetic peptide sequence is selected from aa 51-65 of HUMAN VDAC2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

VDAC2 Blocking Peptide (N-term) - Protein Information**Name** VDAC2**Function**

Forms a channel through the mitochondrial outer membrane that allows diffusion of small hydrophilic molecules (By similarity). The channel adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV (By similarity). The open state has a weak anion selectivity whereas the closed state is cation-selective (By similarity). Binds various lipids, including the sphingolipid ceramide, the phospholipid phosphatidylcholine, and the sterols cholesterol and oxysterol (PubMed:[31015432](http://www.uniprot.org/citations/31015432)). Binding of ceramide promotes the mitochondrial outer membrane permeabilization (MOMP) apoptotic pathway (PubMed:[31015432](http://www.uniprot.org/citations/31015432)).

Cellular Location

Mitochondrion outer membrane. Membrane. Note=May localize to non-mitochondrial membranes.

Tissue Location

Expressed in erythrocytes (at protein level) (PubMed:27641616). Expressed in all tissues examined (PubMed:8420959)

VDAC2 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

VDAC2 Blocking Peptide (N-term) - Images**VDAC2 Blocking Peptide (N-term) - Background**

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VDAC2 Blocking Peptide (N-term) - References

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