

Anti-VDAC1 antibody

Cat. No.	ml224100
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-VDAC1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Full length fusion protein
Reactivity	Human, Mouse, Rat
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	VDAC1
Full name	voltage-dependent anion channel 1

Synonyms PORIN; VDAC-1

Swissprot P21796

Target Background

This gene encodes a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane. The encoded protein facilitates the exchange of metabolites and ions across the outer mitochondrial membrane and may regulate mitochondrial functions. This protein also forms channels in the plasma membrane and may be involved in transmembrane electron transport. Alternate splicing results in multiple transcript variants. Multiple pseudogenes of this gene are found on chromosomes 1, 2 3, 6, 9, 12, X and Y.

Applications

Immunohistochemistry

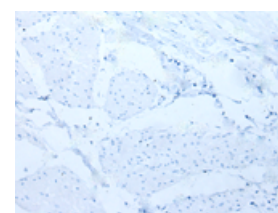
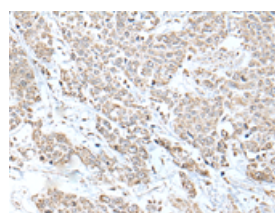
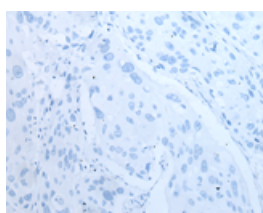
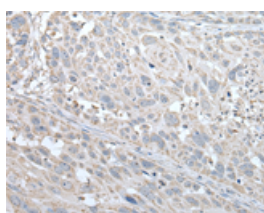
Predicted cell location: Cytoplasm and Cell membrane

Predicted cell location: Cytoplasm and Cell membrane

Positive control: Human esophagus cancer

Positive control: Human prostate cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml224100(VDAC1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: $\times 200$)

The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using ml224100(VDAC1 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 31 kDa

Positive control: A431, Jurkat, Hela and 293T cell lysates

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

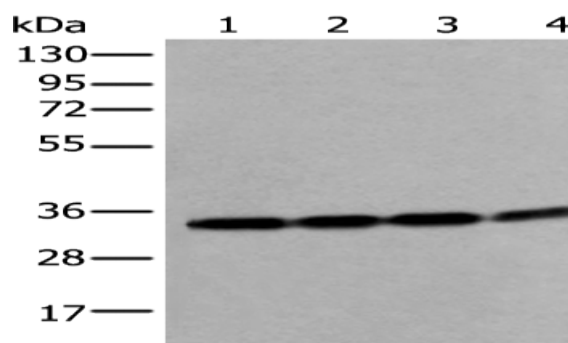
Lysate: 40 μ g

Lane 1-4: A431, Jurkat, Hela and 293T cell lysates

Primary antibody: ml224100(VDAC1 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 seconds



ELISA

Recommended dilution: 5000-10000

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