

VDAC1 Antibody

Catalog No: #48153



Package Size: #48153-1 50ul #48153-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

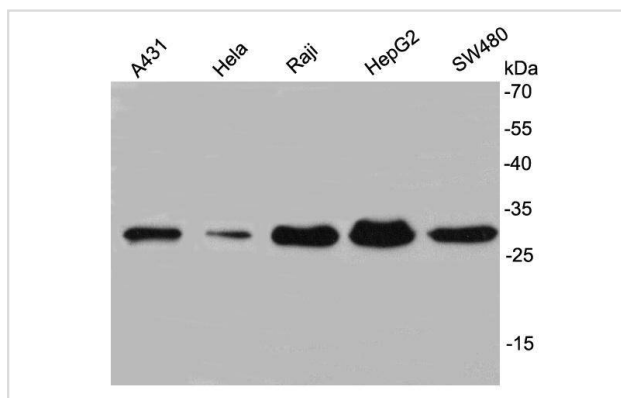
Description

Product Name	VDAC1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, zebrafish
Immunogen Description	peptide
Other Names	hVDAC1 antibody Outer mitochondrial membrane protein porin 1 antibody Plasmalemmal porin antibody Porin 31HL antibody Porin 31HM antibody Porin antibody VDAC 1 antibody VDAC antibody VDAC-1 antibody Vdac1 antibody VDAC1_HUMAN antibody Voltage Dependent Anion Channel 1 antibody Voltage dependent anion selective channel protein 1 antibody Voltage-dependent anion-selective channel protein 1 antibody
Accession No.	Swiss-Prot#:P21796
Calculated MW	31 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

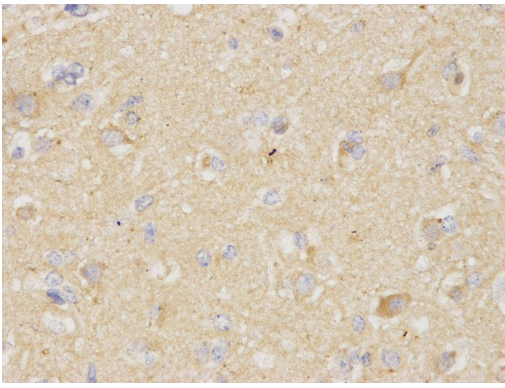
Application Details

WB: 1:500 IHC: 1:200 ICC: 1:200

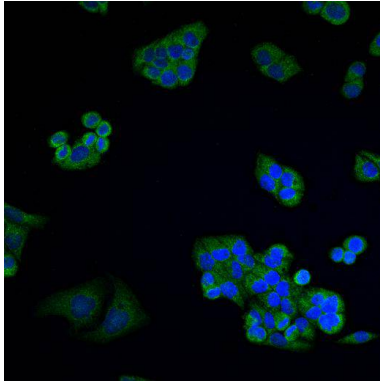
Images



Western blot analysis on different cell lysates using anti-VDAC1 rabbit polyclonal antibodies.



Immunohistochemical analysis of paraffin-embedded human brain tissue using anti-VDAC1 rabbit polyclonal antibody.



ICC staining VDAC1 in HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS and counterstained with DAPI in order to highlight the nucleus (blue).

Background

Voltage-dependent anion-selective channel (VDAC1) (also referred to as porin, isoform 1) is a small protein, originally discovered in the outer membrane of mitochondria where it constitutes the major pore-forming protein. The porin protein VDAC1 allows to the outer-most membrane of the mitochondrion free permeability to low molecular-weight solutes. VDAC1 has been shown to co-immunoprecipitate with the anti-apoptotic protein Bcl-2 and suggested to be involved in forming the mitochondrial pore which releases cytochrome c during apoptosis.

References

- 1."Influenza virus PB1-F2 protein induces cell death through mitochondrial ANT3 and VDAC1."Zamarin D., Garcia-Sastre A., Xiao X., Wang R., Palese P. PLoS Pathog. 1:40-54(2005)
- 2."Solution structure of the integral human membrane protein VDAC-1 in detergent micelles." Hiller S., Garces R.G., Malia T.J., Orekhov V.Y., Colombini M., Wagner G. Science 321:1206-1210(2008)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.