Data Sheet (Cat.No.TMAC-04230)

Anti-VDAC1 Antibody (9P313)

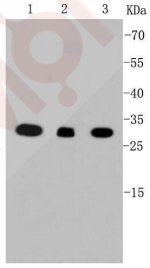
Product Details

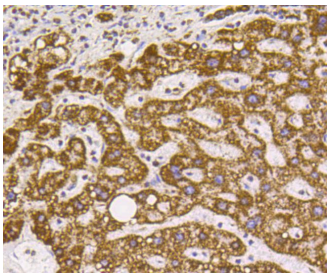
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 31 kDa.
Clone:	9P313
Purification:	ProA affinity purified

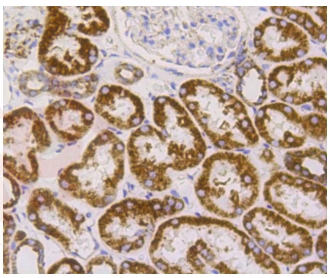
Applications

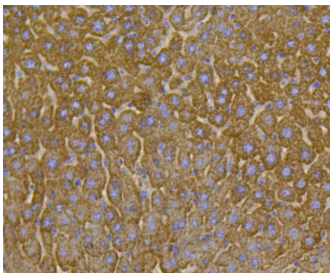
Verified Activity:

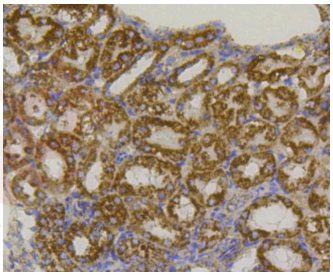
1. Western blot analysis of VDAC1 on different cell lysates using anti-VDAC1 antibody at 1/1,000 dilution. Positive control: Lane 1: Raji, Lane 2: HepG2, Lane 3: SW480.
2. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-VDAC1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-VDAC1 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-VDAC1 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-VDAC1 antibody. Counter stained with hematoxylin.











Application: ICC/IF,IHC,WB

Recommended: WB: 1:1000-2000; IHC: 1:100-200; ICC/IF: 1:50-200; IHF 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P21796

Synonyms: MGC111064;Voltage dependent anion channel 1;Plasmalemmal porin;YNL2441C;N2441; Voltage dependent anion selective channel protein 1;Mitochondrial Porin;VDAC-1;VDAC;Outer mitochondrial membrane protein porin 1;Porin 31HM;Voltage-dependent anion-selective channel protein 1;hVDAC1;POR1;YNL055C;Porin 31HL;OMP2

Research 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 apoptotic protein Bcl-2 and suggested to be involved in forming the mitochondrial pore which releases cytochrome c during apoptosis.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481