

Anti-VDAC1 / Porin Mouse mAb

GB121939 -20°C

Product Information	
Protein full name	Voltage-dependent anion-selective channel protein 1
Synonyms	VDAC1, PORIN, VDAC-1, VDAC, voltage dependent anion channel 1
Immunogen	KLH conjugated Synthetic peptide corresponding to Human VDAC1
Uniprot ID	P21796
Isotype	IGg2b,k
Purity	Affinity purification
Subcellular location	Cell membrane, Mitochondrion outer membrane, Membrane raft
Predicted MW. / Observed MW.	31kDa / 31kDa

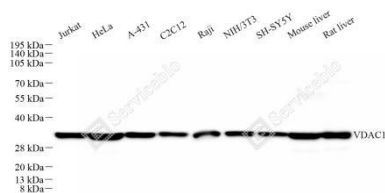
Applications			
Applications	Species	Dilution	Positive Tissue
WB	Human, Mouse, Rat	1: 500-1: 1000	HeLa, liver, SH-SY5Y
IHC/IF	Human, Mouse, Rat	1: 500-1: 1000	kidney, heart

Storage	
Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.

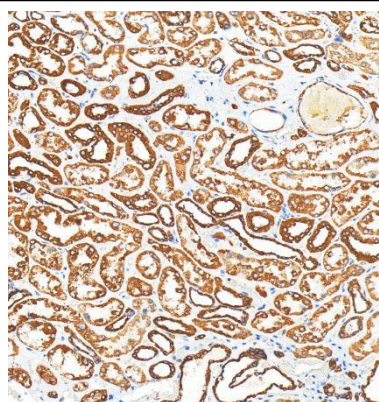
Background

VDAC1, also named as VDAC, porin 31HM, porin 31HL and plasmalemmal porin, belongs to the eukaryotic mitochondrial porin family. It adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV, to form a channel through the mitochondrial outer membrane and also the plasma membrane. Unlike other membrane transport proteins, porins are large enough to allow passive diffusion. Studies have shown that VDAC1 is subject to both phosphorylation and acetylation.

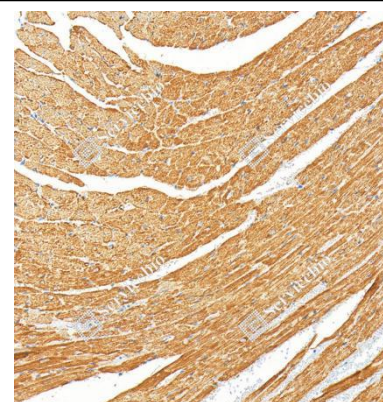
Images



WB analysis of VDAC1 / Porin(GB121939).
 Sample: Protein treated by RIPA Lysis Buffer (G2002).
 Blocking buffer: 3% Nonfat dry milk (GC310001) in TBST, RT, 1h.
 Primary antibody: 1: 1000, 4°C overnight.
 Secondary antibody: HRP conjugated Goat Anti-Mouse IgG (H+L) (GB23301), 1: 3000, RT, 1h.



IHC analysis of VDAC1 / Porin(GB121939).
 Sample: Human kidney, 4% PFA (G1101) 12-24h.
 Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.
 Primary antibody: 1: 1000, 4°C overnight.
 Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Mouse IgG(H+L), Ready to use(G1301), RT, 20min.



IHC analysis of VDAC1 / Porin(GB121939).
 Sample: Mouse heart, 4% PFA (G1101) 12-24h.
 Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.
 Primary antibody: 1: 1000, 4°C overnight.
 Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Mouse IgG(H+L), Ready to use(G1301), RT, 20min.

For Research Use Only!
 Ver. No.: V2.0-202202