

Anti-VDAC1 Rabbit pAb



WL02790

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-VDAC1 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	Western blot	1:1000-1:2000	
	Immunohistochemistry	1:100-1:400	
	Immunofluorescence	1:100-1:400	
Cellular localization	Mitochondrion outer membrane. Cell membrane.		
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	Voltage-dependent anion-selective channel 1 (VDAC-1) is a beta barrel protein that in humans is encoded by the VDAC1 gene located on chromosome 5. VDAC1 is involved in cell metabolism by transporting ATP and other small metabolites across the outer mitochondrial membrane (OMM) allowing regulation of the TCA cycle and, by extension, reactive oxygen species (ROS) production. VDAC1 has been shown to interact with Amyloid β (A β) leading to increased conductance of the channel and eventually apoptosis of the cell. VDAC1 acts as a scaffold for many proteins as well as allows for the flux of ions and metabolites through interactions within the pore.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of VDAC1.
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

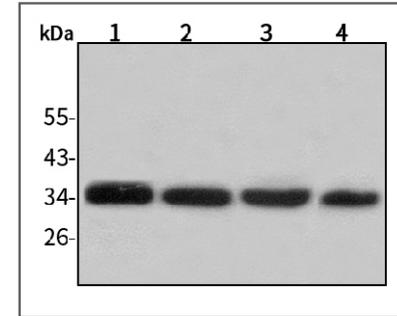
Anti-VDAC1 Rabbit pAb



WL02790

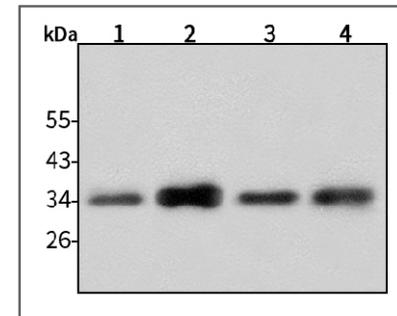
For Research Use Only. Not For Use In Diagnostic Procedures

Product Images



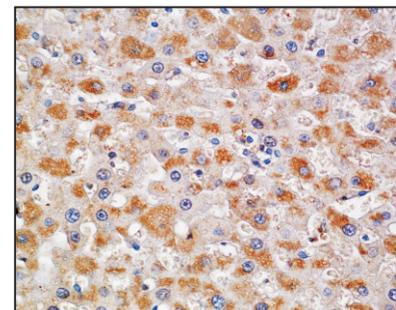
Western blot-Anti-VDAC1 pAb

Lane 1: Human HepG2 cell lysate 30µg
 Lane 2: Human Hela cell lysate 30µg
 Lane 3: Human BGC-823 cell lysate 30µg
 Lane 4: Human MGC-803 cell lysate 30µg
 All lanes: Anti-VDAC1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 31 kDa
 Observed band size: 33 kDa



Western blot-Anti-VDAC1 pAb

Lane 1: Mouse heart tissue lysate 30µg
 Lane 2: Mouse brain tissue lysate 30µg
 Lane 3: Rat lung tissue lysate 30µg
 Lane 4: Rat stomach tissue lysate 30µg
 All lanes: Anti-VDAC1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 31 kDa
 Observed band size: 33 kDa



Immunohistochemistry-Anti-VDAC1 pAb

Sample: Mouse liver tissue
 Antigen retrieval: pH 9.0 Tris-EDTA buffer
 Primary antibody: 1:200, 4°C, overnight
 Secondary antibody-Biotin: 1:150, 37°C, 1h
 Streptavidin-HRP: 1:200, 37°C, 30min
 Color Developing: DAB

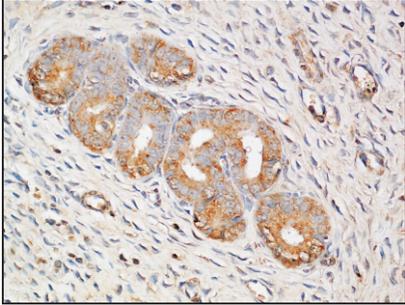
Anti-VDAC1 Rabbit pAb



WL02790

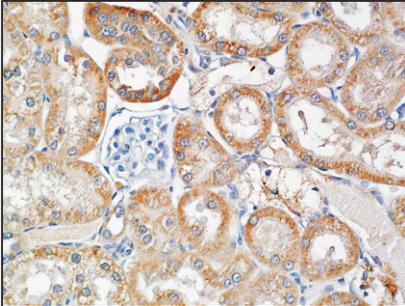
For Research Use Only. Not For Use In Diagnostic Procedures

Product Information



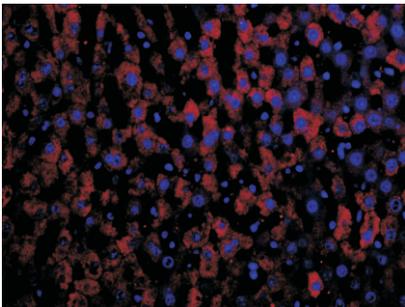
Immunohistochemistry-Anti-VDAC1 pAb

Sample: Rat uterus tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Color Developing: DAB



Immunohistochemistry-Anti-VDAC1 pAb

Sample: Rat kidney tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Color Developing: DAB



Immunofluorescence-Anti-VDAC1 pAb

Sample: Rat liver tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h

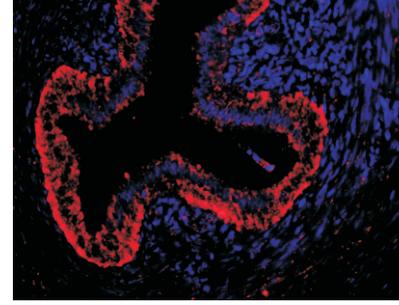
Anti-VDAC1 Rabbit pAb



WL02790

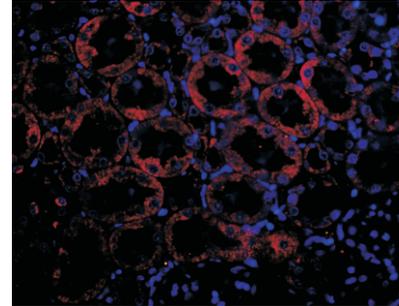
For Research Use Only. Not For Use In Diagnostic Procedures

Product Images



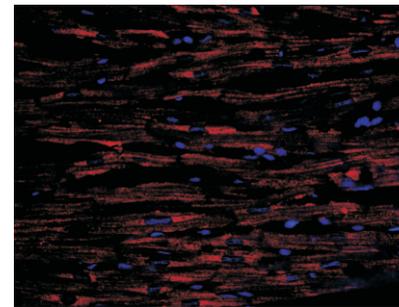
Immunofluorescence-Anti-VDAC1 pAb

Sample: Rat uterus tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h



Immunofluorescence-Anti-VDAC1 pAb

Sample: Rat kidney tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h



Immunofluorescence-Anti-VDAC1 pAb

Sample: Rat heart tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h