

## VDAC1 Rabbit mAb

Catalog No: #52646

Package Size: #52646-1 50ul #52646-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

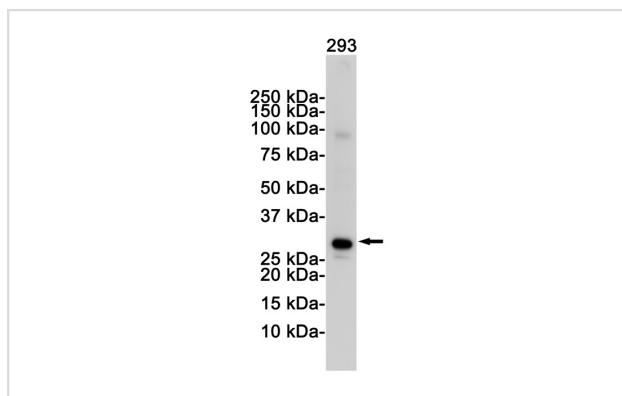
## Description

Product Name	VDAC1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S05-7F2
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human VDAC1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	VDAC1; PORIN;PORIN-31-HL;
Accession No.	Swiss-Prot:P21796GenelD:7416
Uniprot	P21796
GenelD	7416
Calculated MW	Calculated MW: 31 kDa; Observed MW: 31 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

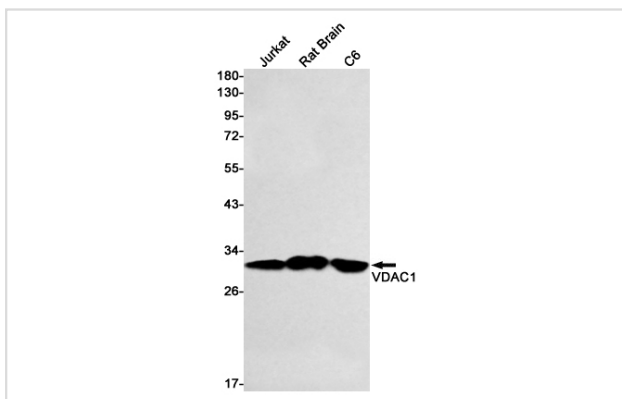
## Application Details

WB: 1/2000; IHC: 1/20-1/500

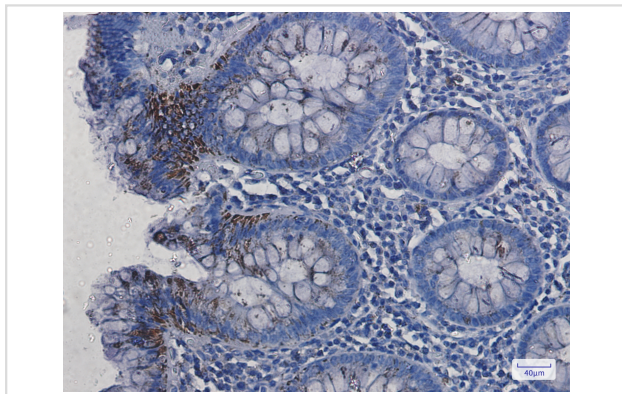
## Images



Western blot detection of VDAC1 in 293 cell lysates using VDAC1 Rabbit mAb(1:1000 diluted).Predicted band size:31kDa.Observed band size:31kDa.



Western blot detection of VDAC1 in Jurkat,Rat Brain,C6 cell lysates using VDAC1 Rabbit mAb(1:1000 diluted).Predicted band size:31kDa.Observed band size:31kDa.



Immunohistochemistry of VDAC1 in paraffin-embedded Human colon cancer tissue using VDAC1 Rabbit mAb at dilution 1/5

## Background

Swiss-Prot Acc.P21796.Forms a channel through the mitochondrial outer membrane and also the plasma membrane. The channel at the outer mitochondrial membrane allows diffusion of small hydrophilic molecules; in the plasma membrane it is involved in cell volume regulation and apoptosis. It adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV. The open state has a weak anion selectivity whereas the closed state is cation-selective (PubMed:11845315, PubMed:18755977, PubMed:20230784, PubMed:8420959). May participate in the formation of the permeability transition pore complex (PTPC) responsible for the release of mitochondrial products that triggers apoptosis (PubMed:15033708, PubMed:25296756).

Note: This product is for in vitro research use only