



# VDAC2 Rabbit pAb

<b>Catalog No</b>	BYab-18670
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human,Mouse,Rat
<b>Applications</b>	WB
<b>Gene Name</b>	VDAC2
<b>Protein Name</b>	Voltage-dependent anion-selective channel protein 2 (VDAC-2) (hVDAC2) (Outer mitochondrial membrane protein porin 2)
<b>Immunogen</b>	Synthesized peptide derived from human VDAC2
<b>Specificity</b>	This antibody detects endogenous levels of VDAC2 at Human, Mouse,Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	32kD
<b>Cell Pathway</b>	Mitochondrion outer membrane . Membrane . May localize to non-mitochondrial membranes. .
<b>Tissue Specificity</b>	Expressed in erythrocytes (at protein level) (PubMed:27641616). Expressed in all tissues examined (PubMed:8420959).
<b>Function</b>	Forms a channel through the mitochondrial outer membrane that allows diffusion of small hydrophilic molecules (By similarity). The channel adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV (By similarity). The open state has a weak anion selectivity whereas the closed state is cation-selective (By similarity). Binds various lipids, including the sphingolipid ceramide, the phospholipid phosphatidylcholine, and the sterol cholesterol . Binding of ceramide promotes the mitochondrial outer membrane permeabilization (MOMP) apoptotic pathway .
<b>Background</b>	
<b>matters needing attention</b>	Avoid repeated freezing and thawing!



### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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