G-Biosciences Image not found or type unknown

Immunotag™ VDAC1 Antibody

Antibody Specification

Catalog No.	ITA1647
Product Description	Immunotag™ VDAC1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	VDAC1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human VDAC1
Specificity	VDAC1 Antibody detects endogenous levels of total VDAC1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	VDAC1
Accession No.	P21796
Alternate Names	N2441; OMP2; POR1; hVDAC1; MGC111064; Mitochondrial Porin; Outer mitochondrial membrane protein porin 1; Plasmalemmal porin; Porin 31HL; Porin 31HM; VDAC; VDAC-1; Vdac1; VDAC1_HUMAN; Voltage dependent anion channel 1; Voltage dependent anion selective channel protein 1; Voltage-dependent anion-selective channel protein 1; YNL055C; YNL2441C;

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Description	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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	31 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.