

VDAC Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IHC-P	Reactivity: H M R B	Sensitivity: Endogenous	MW (kDa): 32	Source/Isotype: Rabbit	UniProt ID: #P21796	Entrez-Gene Id: 7416
Product Usage Information	r	Application Western Blotting Immunohistochemist	ry (Paraffin)		1:	ilution 1000 75
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		VDAC Antibody detects endogenous levels of total VDAC protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the amino terminus of human VDAC-1. Antibodies are purified using protein A and peptide affinity chromatography.				
Background		mitochondrial membi in and out of the mito change in mitochond which bind to VDAC, a for changing mitocho	rane, is generally the chondria (1). In add rial permeability cha altering the channel andrial permeability VDAC isoforms, VDA	, ubiquitously expressed ought to be the primary lition, this channel plays aracteristic of apoptosis kinetics (2). Homodimer and supporting release C1, which is the most wi	means by which m a role in apoptotic is mediated by Bcl- rization of VDAC ma of cytochrome c (3	netabolites diffuse signaling. The 2 family proteins, ay be a mechanism). In mammalian
Background References		1. Hodge, T. and Colombini, M. (1997) <i>J Membr Biol</i> 157, 271-9. 2. Shimizu, S. et al. (1999) <i>Nature</i> 399, 483-7. 3. Zheng, Y. et al. (2004) <i>Oncogene</i> 23, 1239-47. 4. Craigen, W.J. and Graham, B.H. (2008) <i>J Bioenerg Biomembr</i> 40, 207-12. 5. Yamamoto, T. et al. (2006) <i>J Proteome Res</i> 5, 3336-44.				
Species Reacti	vity	Species reactivity is do	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting IHC-P: Immunohistochemistry (Paraffin)				
Cross-Reactivity Key		H: Human M: Mouse R: Rat B: Bovine				
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