

Recombinant Mouse Bcl-2 protein (His tag) ab235687

1 图像

描述		
产品名称	重组小鼠Bcl-2蛋白(His tag)	
纯度	> 90 % SDS-PAGE.	
表达系统	Escherichia coli	
Accession	<u>P10417</u>	
蛋白长度	Protein fragment	
无动物成分	No	
性质	Recombinant	
种属	Mouse	
序列	GRTGYDNREIVMKYIHYKLSQRGYEWDAAGDADAAPLGAAPTP GIFSFQPE SNMPAVHRDMAARTSPLRPLVATAGPALSPVPPVVHLLRR AGDDFSRR YRRDFAEMSSQLHLTPFTARGRFATVVEELFRDGVNWGRIVA FFFEFGGVM CVESVNREMSPLVDNIALWMTEYLNRLHTWIQDNGGWDAFV ELYGPSMR P	
预测分子量	26 kDa	
氨基酸	5 to 205	
标签	His tag N-Terminus	

技术指标		
Our Abpromise guarantee covers the use of ab235687 in the following tested applications.		
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.		
应用	SDS-PAGE	
形式	Liquid	

制备和贮存		
稳定性和存储	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.	

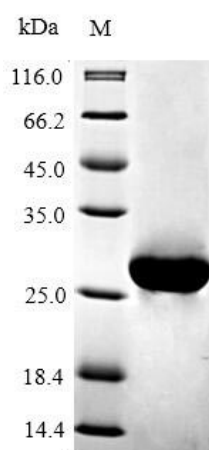
pH: 7.2

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

常规信息

功能	Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. Regulates cell death by controlling the mitochondrial membrane permeability. Appears to function in a feedback loop system with caspases. Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1). May attenuate inflammation by impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release (PubMed:17418785).
组织特异性	Expressed in a variety of tissues.
疾病相关	A chromosomal aberration involving BCL2 has been found in chronic lymphatic leukemia. Translocation t(14;18)(q32;q21) with immunoglobulin gene regions. BCL2 mutations found in non-Hodgkin lymphomas carrying the chromosomal translocation could be attributed to the Ig somatic hypermutation mechanism resulting in nucleotide transitions.
序列相似性	Belongs to the Bcl-2 family.
结构域	BH1 and BH2 domains are required for the interaction with BAX and for anti-apoptotic activity. The BH4 motif is required for anti-apoptotic activity and for interaction with RAF1 and EGLN3. The loop between motifs BH4 and BH3 is required for the interaction with NLRP1.
翻译后修饰	Phosphorylation/dephosphorylation on Ser-70 regulates anti-apoptotic activity. Growth factor-stimulated phosphorylation on Ser-70 by PKC is required for the anti-apoptosis activity and occurs during the G2/M phase of the cell cycle. In the absence of growth factors, BCL2 appears to be phosphorylated by other protein kinases such as ERKs and stress-activated kinases. Phosphorylated by MAPK8/JNK1 at Thr-69, Ser-70 and Ser-87, which stimulates starvation-induced autophagy. Dephosphorylated by protein phosphatase 2A (PP2A). Proteolytically cleaved by caspases during apoptosis. The cleaved protein, lacking the BH4 motif, has pro-apoptotic activity, causes the release of cytochrome c into the cytosol promoting further caspase activity. Monoubiquitinated by PARK2, leading to increase its stability. Ubiquitinated by SCF(FBXO10), leading to its degradation by the proteasome.
细胞定位	Mitochondrion outer membrane. Nucleus membrane. Endoplasmic reticulum membrane.

图片



SDS-PAGE - Recombinant Mouse Bcl-2 protein (His tag) (ab235687)

ab235687 analyzed by (tris-glycine gel) discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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