

Product datasheet

Anti-Bcl-2 antibody ab16305

概述

<b>产品名称</b>	Anti-Bcl-2抗体
<b>描述</b>	鸡多克隆抗体to Bcl-2
<b>宿主</b>	Chicken
<b>经测试应用</b>	<b>适用于:</b> WB
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	Synthetic peptide corresponding to Human Bcl-2 aa 1-80. Sequence:  MAHAGRTGYDNREIVMKYIHYKLSQRGYEWDAAGDVGAAAPPGAAPAGIFS SQPGHTPHPAASRDPVARTSPLQTPAAPGA  Database link: <a href="#">P10415</a>
	 <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>

性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
<b>存储溶液</b>	Preservative: None Constituents: PBS
<b>纯度</b>	Protein L purified
<b>克隆</b>	多克隆
<b>同种型</b>	IgY

应用

Our [Abpromise guarantee](#) covers the use of **ab16305** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		Use at an assay dependent dilution. Predicted molecular weight: 29 kDa.

## 靶标

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<b>功能</b>	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).
<b>组织特异性</b>	Expressed in a variety of tissues.
<b>疾病相关</b>	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.
<b>序列相似性</b>	Belongs to the Bcl-2 family.
<b>结构域</b>	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.
<b>翻译后修饰</b>	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.
<b>细胞定位</b>	Mitochondrion outer membrane. Nucleus membrane. Endoplasmic reticulum membrane.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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