

# Anti-Bcl-2 antibody ab196495

**507 References**   [3 图像](#)

### 概述

产品名称	Anti-Bcl-2抗体
描述	兔多克隆抗体to Bcl-2
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant fragment corresponding to Human Bcl-2. (Near N terminal). Database link: <b><a href="#">P10415</a></b>
阳性对照	ICC/IF: HepG2. IHC-P: Human colon carcinoma. WB: HL-60 and MCF7 cell lysates, mouse brain, liver and lung tissue lysates.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 50% Glycerol, 0.87% Sodium chloride, 49% PBS</p> <p>PBS without Mg<sup>2+</sup> and Ca<sup>2+</sup>.</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

## 应用

### The Abpromise guarantee

**Abpromise™**承诺保证使用ab196495于以下的经测试应用

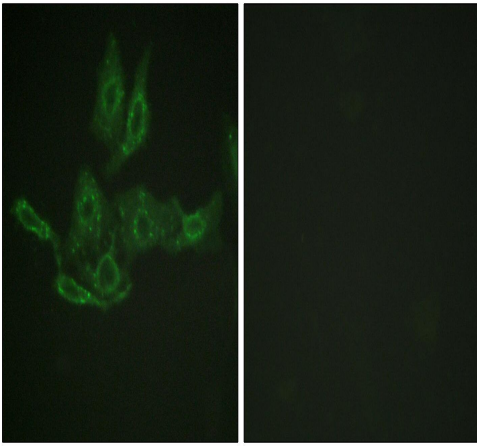
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/100 - 1/300. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		1/500 - 1/2000. Predicted molecular weight: 26 kDa. Primary antibody incubation at 4°C overnight.
ICC/IF		1/200 - 1/1000.

## 靶标

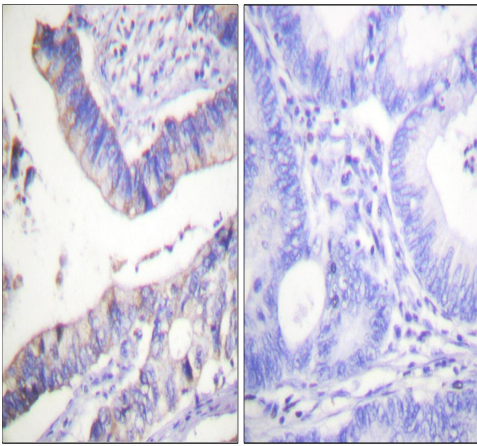
功能	Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. Regulates cell death by controlling the mitochondrial membrane permeability. Appears to function in a feedback loop system with caspases. Inhibits caspase activity either by preventing 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, wich 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



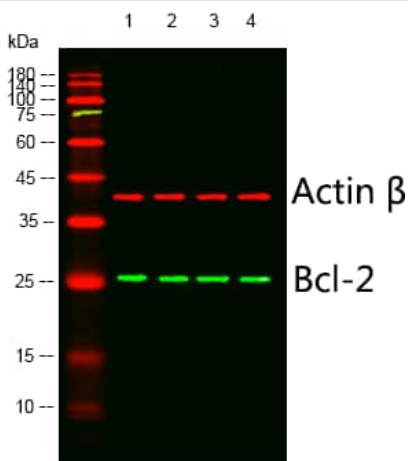
Immunocytochemistry/ Immunofluorescence - Anti-Bcl-2 antibody (ab196495)

Immunofluorescence analysis of HepG2 cells, using ab196495. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bcl-2 antibody (ab196495)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using ab196495. The picture on the right is blocked with the synthesized peptide.



Western blot - Anti-Bcl-2 antibody (ab196495)

**All lanes** : Anti-Bcl-2 antibody (ab196495) at 1/1000 dilution (4° over night.)

**Lane 1** : Mouse liver  
**Lane 2** : Mouse brain  
**Lane 3** : Mouse lung  
**Lane 4** : MCF-7 cells

#### Secondary

**All lanes** : Dylight 800 at 37°, 1 hour at 1/10000 dilution

**Predicted band size:** 26 kDa

Western Blot analysis of lysates - Green.

Loading control - Red:

Actin Beta Monoclonal Antibody diluted at 1:5000, 4° over night.

Dylight 680 secondary antibody, diluted at 1:10000, 37°, 1 hour.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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