

Anti-Bcl-2 (phospho S87) antibody ab73985

[2 References](#) [2 图像](#)

概述

| | |
|-------|---|
| 产品名称 | Anti-Bcl-2 (phospho S87)抗体 |
| 描述 | 兔多克隆抗体to Bcl-2 (phospho S87) |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: WB, IHC-P |
| 种属反应性 | 与反应: Human 预测可用于: Mouse  |
| 免疫原 | Synthetic peptide corresponding to Human Bcl-2 (phospho S87). Database link: P10415 |
| 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&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. Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, PBS Without Mg ²⁺ and Ca ²⁺ |
| 纯度 | Protein A purified |
| 纯化说明 | ab73985 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| 克隆 | 多克隆 |

同种型

IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab73985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 |
|-------|------|--|
| WB | | 1/500 - 1/1000. Detects a band of approximately 28 kDa (predicted molecular weight: 26 kDa). |
| IHC-P | | 1/50 - 1/100. |

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.

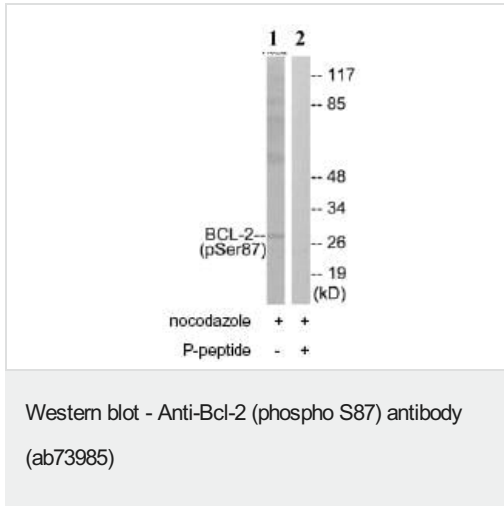
翻译后修饰

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



All lanes : Anti-Bcl-2 (phospho S87) antibody (ab73985) at 1/500 dilution

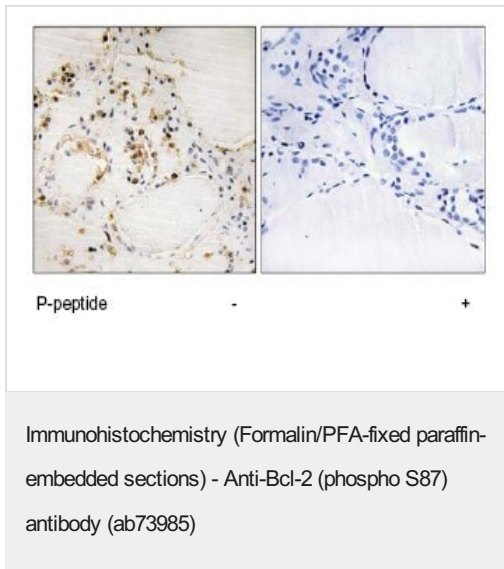
Lane 1 : Extracts from HeLa cells, treated with nocodazole (1 µg/ml, 18hours)

Lane 2 : Extracts from HeLa cells, treated with nocodazole (1 µg/ml, 18hours) with immunising phosphopeptide at 5 µg

Lysates/proteins at 5 µg per lane.

Predicted band size: 26 kDa

Observed band size: 28 kDa



Immunohistochemistry analysis of paraffin-embedded human thyroid gland tissue using ab73985 at 1/50 dilution in the presence (right panel) or absence (left panel) of immunising phosphopeptide.

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