abcam

Product datasheet

HRP Anti-Bak antibody [Y164] ab199516

敲除验证 重组 RabMAb

4 图像

概述

产品名称	HRP Anti-Bak抗体[Y164]
描述	HRP兔单克隆抗体[Y164] to Bak
宿主	Rabbit
偶联物	HRP
经测试应用	**适用于:** IHC-P, WB
种属反应性	**与反应:** Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa whole cell lysate. IHC-P: FFPE human colon (normal) tissue sections.
常规说明	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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. Store In the Dark.
存储溶液	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	Y164
同种型	IgG

应用

The Abpromise guarantee	**Abpromise™承诺保证使用ab199516于以下的经测试应用**

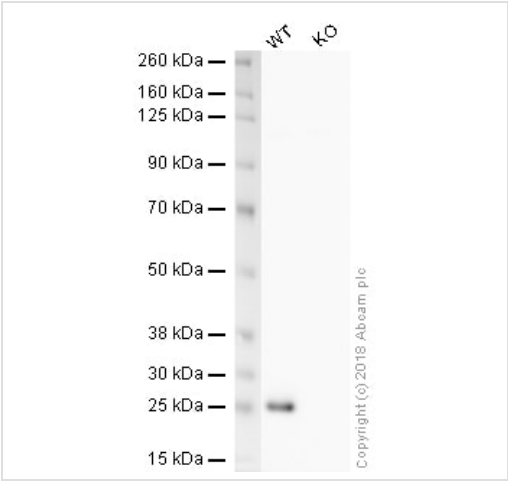
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/125 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/5000. Detects a band of approximately 25 kDa (predicted molecular weight: 23 kDa).

靶标

功能	In the presence of an appropriate stimulus, accelerates programmed cell death by binding to, and antagonizing the anti-apoptotic action of BCL2 or its adenovirus homolog E1B 19k protein. Low micromolar levels of zinc ions inhibit the promotion of apoptosis.
组织特异性	Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle.
序列相似性	Belongs to the Bcl-2 family.
结构域	Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.
细胞定位	Mitochondrion membrane.

图片



Western blot - HRP Anti-Bak antibody [Y164] (ab199516)

All lanes : HRP Anti-Bak antibody [Y164] (ab199516) at 1/5000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate
Lane 2 : BAK1 knockout HAP1 whole cell lysate

Lysates/proteins at 20 µg per lane.

Developed using the ECL technique.

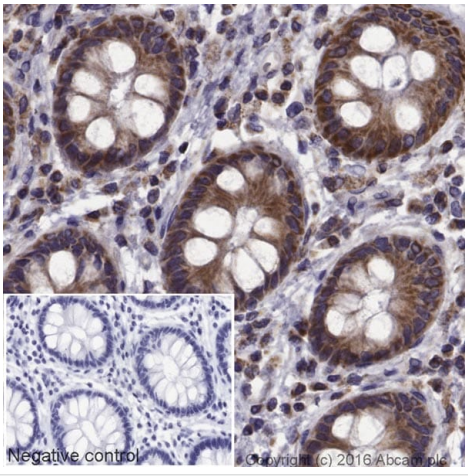
Performed under reducing conditions.

Predicted band size: 23 kDa
Observed band size: 25 kDa

Exposure time: 20 minutes

ab199516 was shown to specifically react with Bak in wild-type HAP1 cells as signal was lost in BAK1 knockout cells. Wild-type and BAK1 knockout samples were subjected to SDS-PAGE.

Ab199516 was incubated overnight at 4°C at 1/5000 dilution. Blots were developed with ECL technique.

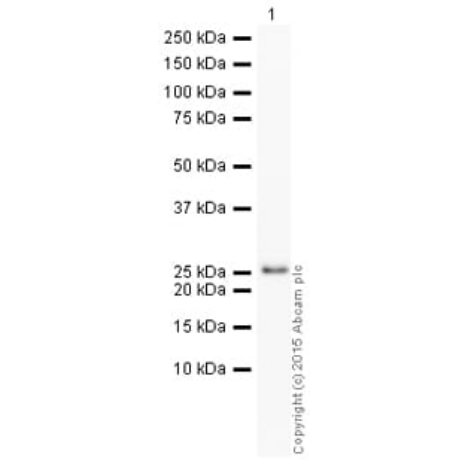


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-Bak antibody [Y164] (ab199516)

IHC image of Bak staining in a section of formalin-fixed paraffin-embedded normal human colon*. The section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH6) for 30mins, and incubated overnight at +4°C with ab199516 at 1/125 dilution. DAB was used as the chromogen (**ab103723**), diluted 1/100 and incubated for 10min at room temperature. The section was counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

**Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre*



Western blot - HRP Anti-Bak antibody [Y164] (ab199516)

HRP Anti-Bak antibody [Y164] (ab199516) at 1/5000 dilution + HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate at 10 µg

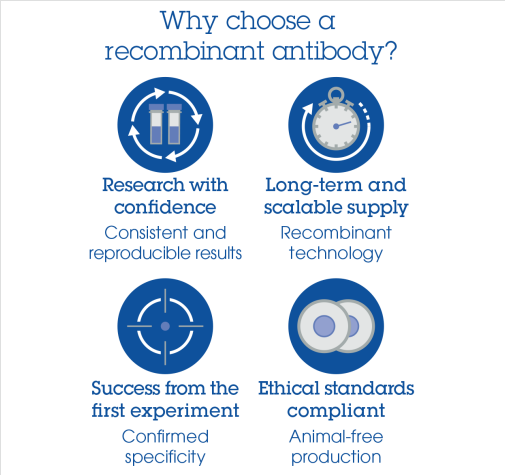
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 23 kDa
Observed band size: 25 kDa

Exposure time: 20 minutes

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab199516 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.



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