Product datasheet

Anti-Bak antibody ab69404

Description
Rabbit polyclonal to Bak

Host species
Rabbit

Tested applications
Suitable for: WB, IP, ICC/IF

Species reactivity
Reacts with: Hamster, Human, Pig, Monkey

Immunogen
Synthetic peptide derived from the sequence of human Bak, conjugated to KLH.

Positive control
A431 or HeLa cells. Cervical cancer tissue.

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Storage buffer
Preservative: 0.09% Sodium azide
Constituents: PBS, 50% Glycerol

Purity
Immunogen affinity purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab69404 in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>★★★★★</td>
<td>1/1000. Detects a band of approximately 28 kDa (predicted molecular weight: 23 kDa).</td>
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<tr>
<td>IP</td>
<td></td>
<td>1/100.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent dilution.</td>
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</table>
**Function**

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.

**Tissue specificity**

Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle.

**Sequence similarities**

Belongs to the Bcl-2 family.

**Domain**

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.

**Cellular localization**

Mitochondrion membrane.

### Images

**Western blot - Anti-Bak antibody (ab69404)**

- **Predicted band size**: 23 kDa
- **Observed band size**: 28 kDa

*why is the actual band size different from the predicted?*

**Immunocytochemistry/ Immunofluorescence - Anti-Bak antibody (ab69404)**

Immunofluorescent staining of HeLa cells using ab69404. nuclei were counter-stained using DRAQ5.

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bak antibody (ab69404)**

Immunohistochemical analysis of human cervical cancer tissue using 1/50 ab69404.

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