


Product datasheet

# Anti-Bak antibody ab2273

[1 References](#)   [1 Image](#)

## Overview

<b>Product name</b>	Anti-Bak antibody
<b>Description</b>	Goat polyclonal to Bak
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide: ASGQGPGPPRQE-C , corresponding to N terminal amino acids 2-13 of Human Bak(Peptide available as <a href="#">ab22900</a> .)  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, 0.5mg/ml Tris, pH 7.3
<b>Purity</b>	IgG fraction
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab2273** in the following tested applications.

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

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 1 µg/ml. Can be blocked with <a href="#">Human Bak peptide (ab22900)</a> .

## Target

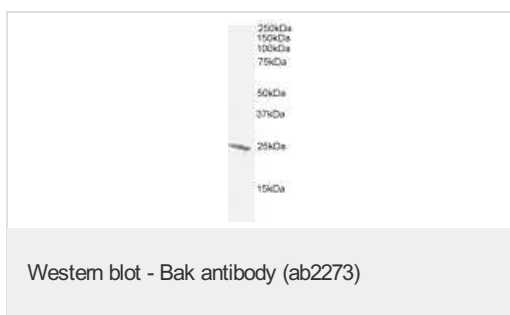
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<b>Function</b>	In the presence of an appropriate stimulus, accelerates programmed cell death by binding to, and antagonizing the anti-apoptotic action of BCL2 or its adenovirus homolog E1B 19k protein. Low micromolar levels of zinc ions inhibit the promotion of apoptosis.
<b>Tissue specificity</b>	Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle.
<b>Sequence similarities</b>	Belongs to the Bcl-2 family.
<b>Domain</b>	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.
<b>Cellular localization</b>	Mitochondrion membrane.

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## Anti-Bak antibody images

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ab2273 staining (0.5µg/ml) of A431 lysate (RIPA buffer, 30µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

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