

## Product datasheet

### Anti-Bik antibody ab52182

★★★★★ [3 Abreviews](#) [9 References](#) [4 Images](#)

#### Overview

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<b>Product name</b>	Anti-Bik antibody
<b>Description</b>	Rabbit polyclonal to Bik
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human Bik. Non-phosphopeptide from around the phosphorylation site of threonine 33 (G-M-T-D-S).
<b>Positive control</b>	Extracts from A549 cells treated with DMSO, human breast carcinoma tissue.
<b>General notes</b>	<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>

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS, 0.87% Sodium chloride
	Without Mg+2 and Ca+2
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab52182 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
IHC-P		Use at an assay dependent concentration.
WB	★★★★★ (2)	1/500 - 1/1000. Predicted molecular weight: 18 kDa.
ICC/IF	★★★★★ (1)	Use a concentration of 1 - 5 µg/ml.

## Target

### Function

Accelerates programmed cell death. Binding to the apoptosis repressors Bcl-X(L), BHRF1, Bcl-2 or its adenovirus homolog E1B 19k protein suppresses this death-promoting activity. Does not interact with BAX.

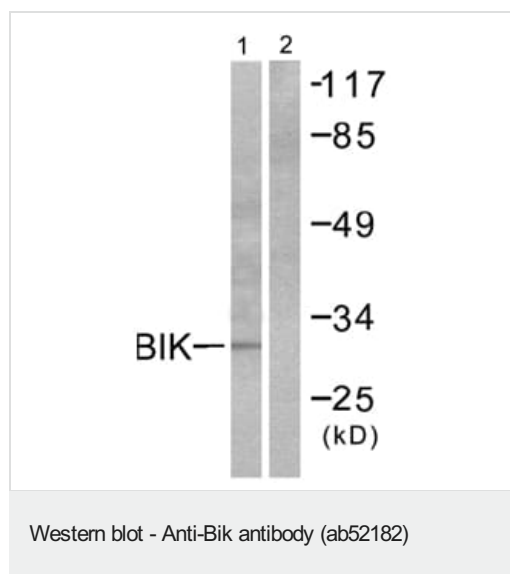
### Domain

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

Endomembrane system. Around the nuclear envelope, and in cytoplasmic membranes.

## Images



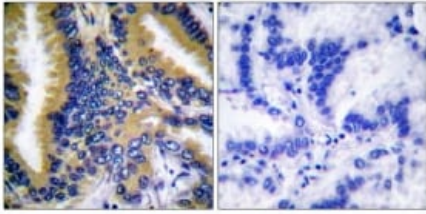
**All lanes :** Anti-Bik antibody (ab52182) at 1/500 dilution

**Lane 1 :** extracts from A549 cells, treated with DMSO (0.1%, 10mins)

**Lane 2 :** extracts from A549 cells, treated with DMSO (0.1%, 10mins) with blocking peptide

**Predicted band size:** 18 kDa

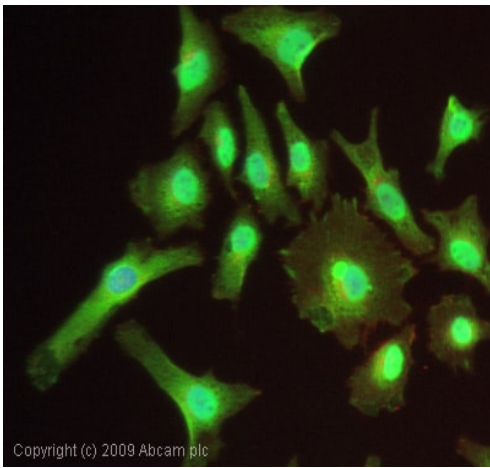
**Observed band size:** 30 kDa



Peptide - +

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bik antibody (ab52182)

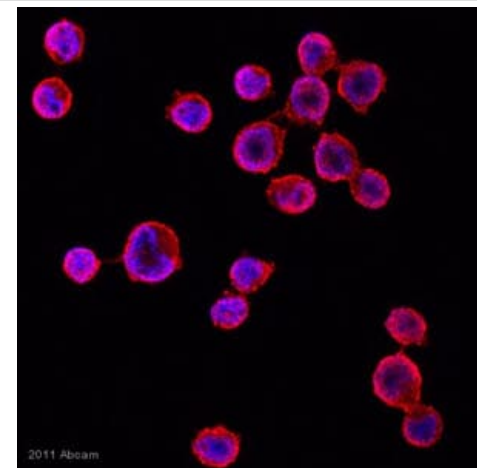
Ab52182 at 1/50 dilution staining Human breast carcinoma tissue, with and without blocking peptide; paraffin embedded.



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Immunocytochemistry/ Immunofluorescence - Anti-Bik antibody (ab52182)

ICC/IF image of ab52182 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab52182, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



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Immunocytochemistry/ Immunofluorescence - Anti-Bik antibody (ab52182)

Image courtesy of an anonymous Abreview.

ab52182 staining Bik in human Jurkat cells by Immunocytochemistry/ Immunofluorescence. The cells were fixed in paraformaldehyde, permeabilised in 0.5% Triton X and then blocked using 3% serum for 3 hours at 23°C. Samples were then incubated with primary antibody at 1/100 for 16 hours at 23°C. The secondary antibody used was a goat anti-rabbit IgG conjugated to Alexa Fluor® 647 (pink) used at a 1/1000 dilution.

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

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