

Datasheet: AHP1782

**BATCH NUMBER 155932**

<b>Description:</b>	RABBIT ANTI BAK (N-TERMINAL)
<b>Specificity:</b>	BAK (N-TERMINAL)
<b>Other names:</b>	BAK1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			2ug/ml
Western Blotting	▪			1 - 2ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antiserum to BAK (NT) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by ion exchange chromatography.

### Buffer Solution

Phosphate buffered saline

### Preservative

0.02% Sodium Azide (NaN<sub>3</sub>)

## Stabilisers

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml

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**Immunogen** A peptide corresponding to 13 amino acids near the amino terminus of human BAK.

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## External Database Links

### UniProt:

[Q16611](#)    [Related reagents](#)  
[O08734](#)    [Related reagents](#)

### Entrez Gene:

[578](#)    BAK1    [Related reagents](#)  
[12018](#)    Bak1    [Related reagents](#)

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**Synonyms** Bak, BAK, BCL2L7, CDN1

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**RRID** AB\_2060942

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**Specificity** **Rabbit anti BAK (N-Terminal) antibody** recognizes the Bcl-2 homologous antagonist/killer (Bak), an oligomeric protein localised to the outer mitochondrial membrane and the endoplasmic reticulum of healthy cells. Bak is a pro-apoptotic Bcl-2 family member similar to Bax with which it is thought to share significant homology. Mcl-1 and Bcl-xL interact with Bak and prevent the activation of Bak in healthy cells. Upon cytotoxic signalling, Mcl-1- and Bcl-xL-binding proteins (such as Noxa and Bad) displace Bak and apoptosis is induced. When activated, Bak (and Bax) permeabilises the outer membrane of the mitochondria or the ER to release proapoptogenic factors such as cytochrome c.

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**Western Blotting** AHP1782 detects a band of approximately 28kDa in L1210 cell lysate

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**Storage** Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP1782>  
10040

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### **Recommended Useful Reagents**

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M364037:200529'

**Printed on 25 Mar 2023**

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