

Datasheet: AHP1782

BATCH NUMBER 155932

Description:	RABBIT ANTI BAK (N-TERMINAL)
Specificity:	BAK (N-TERMINAL)
Other names:	BAK1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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 (NaN₃)

Stabilisers

Approx. Protein Concentrations

IgG concentration 1.0mg/ml

Immunogen

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

External Database Links

UniProt:

[Q16611](#)

[Related reagents](#)

[O08734](#)

[Related reagents](#)

Entrez Gene:

[578](#)

BAK1

[Related reagents](#)

[12018](#)

Bak1

[Related reagents](#)

Synonyms

Bak, BAK, BCL2L7, CDN1

RRID

AB_2060942

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.

Western Blotting

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

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.

Guarantee

12 months from date of despatch

Health And Safety Information

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

Regulatory

For research purposes only

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 \(STAR209P\)](#)

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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
'M364037:200529'

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