

Datasheet: AHP1782

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.
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 Stabilisers	0.02% Sodium Azide (NaN ₃)

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

Entrez Gene:

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

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

Synonyms Bak, BAK, BCL2L7, CDN1

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.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

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

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