

Datasheet: AHP1172

Description:	RABBIT ANTI BIK (N-TERMINAL)
Specificity:	BIK (N-TERMINAL)
Other names:	NBK
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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1 - 2ug/ml

Where this antibody 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 antibody 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

Antisera to Bik were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	15 amino acid peptide from near the amino terminus of human Bik.
External Database Links	<p>UniProt: Q13323 Related reagents</p> <p>Entrez Gene: 638 BIK Related reagents</p>
Synonyms	NBK
RRID	AB_808347
Specificity	<p>Rabbit anti Human Bik antibody recognizes the N-terminal (NT) region of Bcl-2-interacting killer (Bik) also known as natural born killer (Nbk). Bik is a Bcl-2 homology domain 3 (BH3)-only protein of ~18 kDa which requires the BAX gene for activation. Bik forms heterodimers with various antiapoptotic proteins such as Bcl-2 and Bcl-XL, inhibiting their antiapoptotic function. This can result in the release of Ca²⁺ and cytochrome C into the cytosol, leading to apoptosis.</p> <p>Loss of Bik is a common feature of clear-cell renal cell carcinoma (RCC), and is thought to act as a renal tissue-specific tumour suppressor gene.</p>
Western Blotting	AHP1172 detects a band of approximately 18kDa in Jurkat cell lysates.
Further Reading	<ol style="list-style-type: none"> 1. Mathai, J.P. <i>et al.</i> (2005) BH3-only BIK regulates BAX,BAK-dependent release of Ca²⁺ from endoplasmic reticulum stores and mitochondrial apoptosis during stress-induced cell death. J Biol Chem. 280 (25): 23829-36. 2. Real, P.J. <i>et al.</i> (2006) Transcriptional activation of the proapoptotic bik gene by E2F proteins in cancer cells. FEBS Lett. 580 (25): 5905-9. 3. Sturm, I. <i>et al.</i> (2006) Loss of the tissue-specific proapoptotic BH3-only protein Nbk/Bik is a unifying feature of renal cell carcinoma. Cell Death Differ. 13 (4): 619-27.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10040 available at:

Information <https://www.bio-rad-antibodies.com/SDS/AHP1172>
10040

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 (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [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](https://www.bio-rad-antibodies.com/datasheets)

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