

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 \(STAR209P\)](#)

| | | | | | |
|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
|----------------------------------|---|------------------|---|---------------|---|

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)

'M382669:210513'

Printed on 12 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)