

## Rabbit anti-Mouse BIK Polyclonal Antibody | anti-BIK antibody

RABBIT ANTI BIK (N-TERMINAL)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA49924  | Rabbit | Mouse      | Western Blot, Immunohistochemistry |

### PRODUCT SYNONYMS

BIK; Polyclonal Antibody; RABBIT ANTI BIK (N-TERMINAL); anti-BIK antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactivity                                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype                                       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity                                   | <p>This item detects an epitope within 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 18kD 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 Ca<sup>2+</sup> 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> |
| Form/Format                                   | Purified<br>Purified IgG - liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration                                 | IgG concentration 1.0mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence Length                               | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-BIK antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Perservative Stabilisers                      | 0.02% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen                                     | 15 amino acid peptide from near the amino terminus of human Bik.<br>Buffer Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Antiserum Preparation                         | Antisera to Bik were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Target Species                                | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage                       | Store at 4 degree C or at -20 degree 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.<br>Shelf Life: 18 months from date of despatch.                                                                                                                                                                                                                                                                                              |

IMAGES



**Application Data**  
Immunocytochemical staining of Jurkat cells with Rabbit anti Human BIK (AAA49924)



**Application Data**  
Western blot analysis of whole cell lysate from Jurkat, human T-cell leukemia cells probed with Rabbit anti Human BIK (AAA49924) at 1(A) and 2(B) ug/ml

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BIK antibody | MBS221461 detects an epitope within 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 18kD 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. 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. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| NCBI GI #                        | 4502411                                                                 |
| NCBI GeneID                      | 638                                                                     |
| NCBI Accession #                 | NP_001188.1                                                             |
| NCBI GenBank Nucleotide #        | NM_001197.4                                                             |
| UniProt Accession #              | Q13323; Q16582; Q6FH93                                                  |
| Molecular Weight                 | 18,016 Da                                                               |
| NCBI Official Full Name          | bcl-2-interacting killer                                                |
| NCBI Official Synonym Full Names | BCL2-interacting killer (apoptosis-inducing)                            |
| NCBI Official Symbol             | BIK                                                                     |
| NCBI Official Synonym Symbols    | BP4; NBK; BIP1                                                          |
| NCBI Protein Information         | bcl-2-interacting killer; apoptosis inducer NBK; apoptosis-inducing NBK |
| UniProt Protein Name             | Bcl-2-interacting killer                                                |
| UniProt Gene Name                | BIK                                                                     |
| UniProt Synonym Gene Names       | NBK                                                                     |
| UniProt Entry Name               | BIK_HUMAN                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bik-antibody-western-blot-immunohistochemistry-elisa/49924>