

## Bik Polyclonal Antibody | anti-BIK antibody

Anti-Bik Antibody

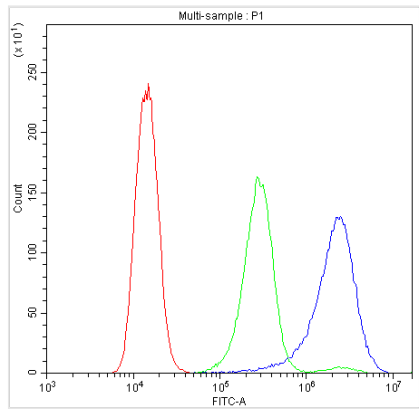
|                              |                                        |                                                           |
|------------------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA11666</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|------------------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

Bik; Polyclonal Antibody; Anti-Bik Antibody; Bcl-2-interacting killer; Apoptosis inducer NBK; BBC1; BCL2 interacting killer; bhikhari; BIK; Bik-like killer protein; BIK\_HUMAN; BIP 1; BiP1; BP 4; BP4; cb 60; NBK; BCL2-interacting killer (apoptosis-inducing); anti-BIK antibody

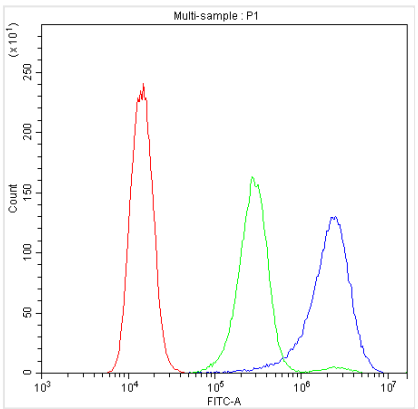
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                    | Human, Mouse, Rat                                                                                                                                                                                   |
| Clonality                                     | Polyclonal                                                                                                                                                                                          |
| Purity/Purification                           | Immunogen Affinity Purified                                                                                                                                                                         |
| Form/Format                                   | Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .                                                                             |
| Sequence Length                               | 160                                                                                                                                                                                                 |
| Applicable Applications for anti-BIK antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                                                       |
| Application Notes                             | Western Blot Concentration: 0.1-0.5ug/ml<br>Immunohistochemistry (IHC) Paraffin Concentration: 0.5-1ug/ml                                                                                           |
| Immunogen                                     | E Coli-derived human Bik recombinant protein (Position: M1-R123). Human Bik shares 42.3% amino acid (aa) sequence identity with mouse Bik.                                                          |
| Ig Type                                       | Rabbit IgG                                                                                                                                                                                          |
| Reconstitution                                | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                |
| Preparation and Storage                       | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |



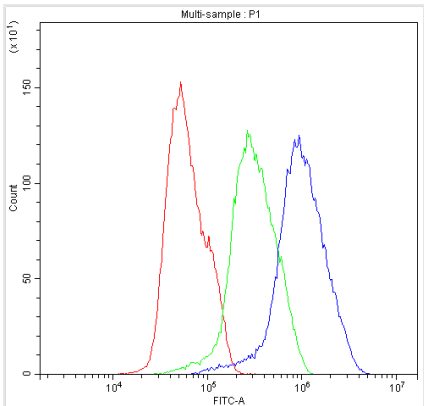
FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of A431 cells using anti-BIK antibody (AAA11666).Overlay histogram showing A431 cells stained with AAA11666 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BIK Antibody (AAA11666,1ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight&reg;488 conjugated goat anti-rabbit IgG (5-10ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



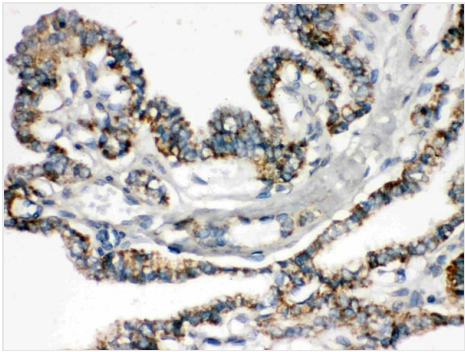
FCM (Flow Cytometry)

Figure 6. Flow Cytometry analysis of THP-1 cells using anti-BIK antibody (AAA11666).Overlay histogram showing THP-1 cells stained with AAA11666 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BIK Antibody (AAA11666,1ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight&reg;488 conjugated goat anti-rabbit IgG (5-10ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



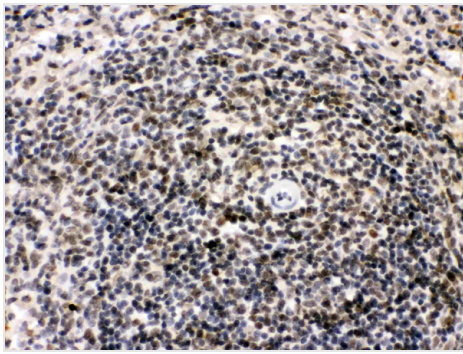
FCM (Flow Cytometry)

Figure 5. Flow Cytometry analysis of MCF-7 cells using anti-BIK antibody (AAA11666).Overlay histogram showing MCF-7 cells stained with AAA11666 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BIK Antibody (AAA11666,1ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight&reg;488 conjugated goat anti-rabbit IgG (5-10ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



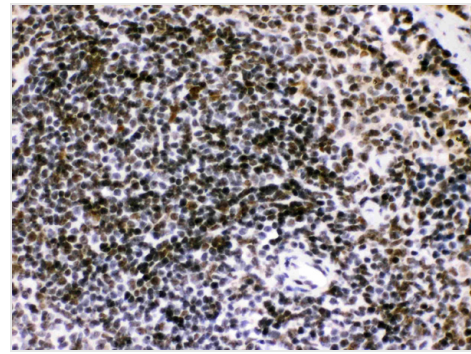
IHC (Immunohistochemistry)

Figure 4. IHC analysis of Bik using anti-Bik antibody (AAA11666). Bik was detected in paraffin-embedded section of Human Thyroid Cancer Tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Bik Antibody (AAA11666) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



#### IHC (Immunohistochemistry)

Figure 3. IHC analysis of Bik using anti-Bik antibody (AAA11666). Bik was detected in paraffin-embedded section of Rat Spleen Tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Bik Antibody (AAA11666) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



#### IHC (Immunohistochemistry)

Figure 2. IHC analysis of Bik using anti-Bik antibody (AAA11666). Bik was detected in paraffin-embedded section of Mouse Spleen Tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Bik Antibody (AAA11666) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

## ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-BIK antibody</b> | <p>Description: Rabbit IgG polyclonal antibody for Bcl-2-interacting killer(BIK) detection. Tested with WB, IHC-P in Human;Mouse;Rat.</p> <p>Background: Bcl-2-interacting killer is a protein that in humans is encoded by the BIK gene. This gene is mapped to 22q13.31. The protein encoded by this gene shares a critical BH3 domain with other death-promoting proteins, such as BID, BAK, BAD and BAX, that is required for its pro-apoptotic activity, and for interaction with anti-apoptotic members of the BCL2 family, and viral survival-promoting proteins. Since the activity of this protein is suppressed in the presence of survival-promoting proteins, it is suggested as a likely target for anti-apoptotic proteins.</p>                                          |
| <b>References</b>                                        | <p>1. "Entrez Gene: BIK BCL2-interacting killer (apoptosis-inducing)". 2. Boyd JM, Gallo GJ, Elangovan B, Houghton AB, Malstrom S, Avery BJ, Ebb RG, Subramanian T, Chittenden T, Lutz RJ (Dec 1995). "Bik, a novel death-inducing protein shares a distinct sequence motif with Bcl-2 family proteins and interacts with viral and cellular survival-promoting proteins". <i>Oncogene</i> 11 (9): 1921-8. 3. Dunham I, Shimizu N, Roe BA, Chisoe S, Hunt AR, Collins JE, Bruskiewicz R, Beare DM, Clamp M, Smink LJ, Ainscough R, Almeida JP, Babbage A, Bagguley C, Bailey J, Barlow K, Bates KN, Beasley O, Bird CP, Blakey S, Bridgeman AM, Buck D, Burgess J, Burrill WD, O'Brien KP (Dec 1999). "The DNA sequence of human chromosome 22". <i>Nature</i> 402 (6761): 489-95.</p> |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">4502411</a>                                                  |
| NCBI GeneID                      | <a href="#">638</a>                                                      |
| NCBI Accession #                 | <a href="#">NP_001188.1</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001197.4</a>                                              |
| UniProt Accession #              | <a href="#">Q13323</a> ; <a href="#">Q16582</a> ; <a href="#">Q6FH93</a> |
| Molecular Weight                 | 18,016 Da                                                                |
| NCBI Official Full Name          | bcl-2-interacting killer                                                 |
| NCBI Official Synonym Full Names | BCL2 interacting killer                                                  |
| NCBI Official Symbol             | BIK                                                                      |
| NCBI Official Synonym Symbols    | BP4; NBK; BIP1                                                           |
| NCBI Protein Information         | bcl-2-interacting killer                                                 |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/bik-antibody-western-blot-immunohistochemistry-elisa/11666>