

## Rabbit IκB Beta/NFKBIB Polyclonal Antibody | anti-IκBBeta/NFKBIB antibody

Anti-IκB Beta/NFKBIB Antibody Picoband

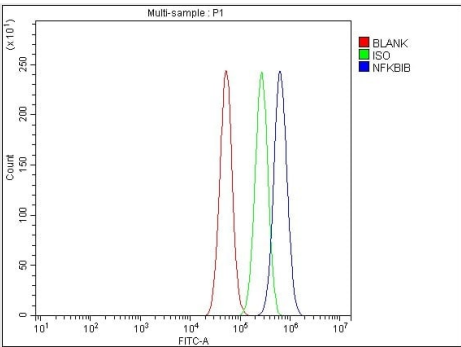
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                          |
|-----------|--------|-------------------|-------------------------------------------------------|
| AAA127325 | Rabbit | Human, Mouse, Rat | ELISA, Flow Cytometry, Functional Assay, Western Blot |

### PRODUCT SYNONYMS

IκB Beta/NFKBIB; Polyclonal Antibody; Anti-IκB Beta/NFKBIB Antibody Picoband; anti-IκBBeta/NFKBIB antibody

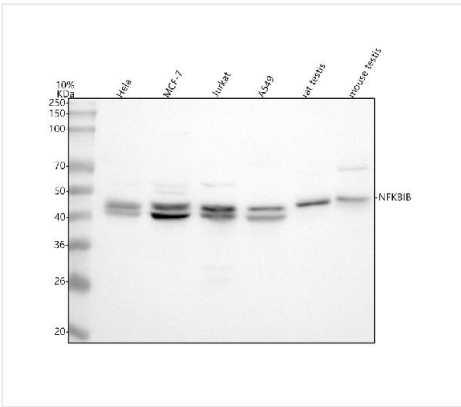
### PRODUCT SPECIFICATIONS

|                                                          |                                                                                                                                                                                                                       |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                     | Rabbit                                                                                                                                                                                                                |
| Reactivity                                               | Human, Mouse, Rat                                                                                                                                                                                                     |
| Clonality                                                | Polyclonal                                                                                                                                                                                                            |
| Purity/Purification                                      | Immunogen affinity purified.                                                                                                                                                                                          |
| Form/Format                                              | Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                |
| Applicable Applications for anti-IκBBeta/NFKBIB antibody | ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)                                                                                                                                                                   |
| Immunogen                                                | E coli-derived human IκB Beta/NFKBIB recombinant protein (Position: T96-V356). Human NFKBIB shares 79.5% and 76.4% amino acid (aa) sequence identity with mouse and rat NFKBIB, respectively.                         |
| Reconstitution                                           | Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                              |
| Preparation and Storage                                  | At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing. |



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of PC-3 cells using anti-IkB Beta/NFKBIB antibody (AAA127325). Overlay histogram showing PC-3 cells stained with AAA127325 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IkB Beta/NFKBIB Antibody (AAA127325, 1ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of IkB Beta/NFKBIB using anti-IkB Beta/NFKBIB antibody (AAA127325). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human A549 whole cell lysates, Lane 5: rat testis tissue lysates, Lane 6: mouse testis tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IkB Beta/NFKBIB antigen affinity purified polyclonal antibody (#AAA127325) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IkB Beta/NFKBIB at approximately 45 kDa. The expected band size for IkB Beta/NFKBIB is at 38 kDa.

ADDITIONAL INFORMATION

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-IkB Beta/NFKBIB antibody | The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Categories/Family for anti-IkB Beta/NFKBIB antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| References                                                    | 1. Fenwick, C., Na, S.-Y., Voll, R. E., Zhong, H., Im, S.-Y., Lee, J. W., Ghosh, S. A subclass of Ras proteins that regulate the degradation of I-kappa-B. Science 287: 869-873, 2000.2. Hoffmann, A., Levchenko, A., Scott, M. L., Baltimore, D. The I-kappa-B-NF-kappa-B signaling module: temporal control and selective gene activation. Science 298: 1241-1245, 2002. Note: Erratum: Science 318: 1550 only, 2007.3. Lee, J. W., Choi, H.-S., Gyuris, J., Brent, R., Moore, D. D. Two classes of proteins dependent on either the presence or absence of thyroid hormone for interaction with the thyroid hormone receptor. Molec. Endocr. 9: 243-254, 1995. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------|
| NCBI GI #                        | 340805857                                                                          |
| NCBI GeneID                      | 4793                                                                               |
| NCBI Accession #                 | NP_001230045.1                                                                     |
| NCBI GenBank Nucleotide #        | NM_001243116.1                                                                     |
| UniProt Accession #              | Q15653; Q96BJ7; A8K3F4                                                             |
| Molecular Weight                 | 37,771 Da                                                                          |
| NCBI Official Full Name          | NF-kappa-B inhibitor beta isoform 2                                                |
| NCBI Official Synonym Full Names | nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta |

|                                      |                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Official Symbol</b>          | NFKBIB                                                                                                                                                          |
| <b>NCBI Official Synonym Symbols</b> | IKBB; TRIP9                                                                                                                                                     |
| <b>NCBI Protein Information</b>      | NF-kappa-B inhibitor beta; ikB-B; TRIP-9; ikB-beta; ikappaBbeta; NF-kappa-BIB; I-kappa-B-beta; TR-interacting protein 9; thyroid receptor-interacting protein 9 |
| <b>UniProt Protein Name</b>          | NF-kappa-B inhibitor beta                                                                                                                                       |
| <b>UniProt Gene Name</b>             | <b>NFKBIB</b>                                                                                                                                                   |
| <b>UniProt Synonym Gene Names</b>    | IKBB; TRIP9; NF-kappa-BIB; IkB-B; IkB-beta; IkappaBbeta; TR-interacting protein 9; TRIP-9                                                                       |
| <b>UniProt Entry Name</b>            | IKBB_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://www.aaabiotech.com/polyclonal/ikb-beta-nfkbib-antibody-flow-cytometry-western-blot-elisa/127325>