

## IKB beta Polyclonal Antibody | anti-IKB beta antibody

Anti-IKB beta Antibody

|                              |                                        |                                                           |
|------------------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA46351</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|----------------------------------------|-----------------------------------------------------------|

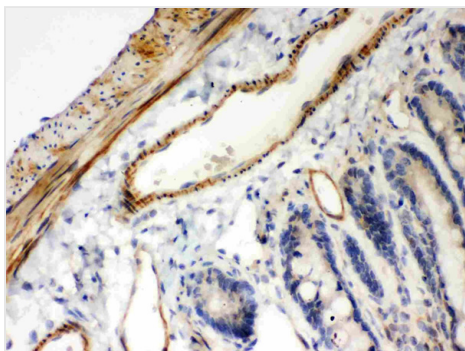
### PRODUCT SYNONYMS

IKB beta; Polyclonal Antibody; Anti-IKB beta Antibody; NF-kappa-B inhibitor beta; I kappa B beta; I-kappa-B-beta; IkappaBbeta; IkB-B; IkB-beta; IKBB; IKBB\_HUMAN; IkBbeta; NF kappa BIB; NF-kappa-BIB; Nfkbib; Thyroid receptor interacting protein 9; Thyroid receptor-interacting protein 9; TR interacting protein 9; TR-interacting protein 9; TRIP-9; TRIP9; nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor; beta; anti-IKB beta antibody

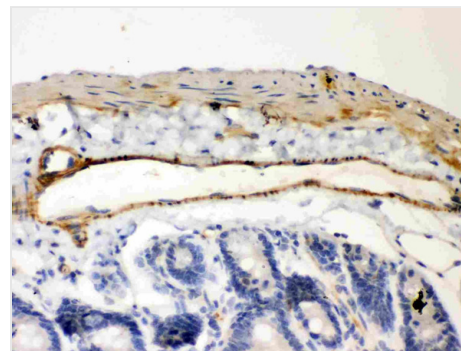
### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                         | Human, Mouse, Rat                                                                                                                                                                                   |
| Clonality                                          | Polyclonal                                                                                                                                                                                          |
| Purity/Purification                                | Immunogen Affinity Purified                                                                                                                                                                         |
| Form/Format                                        | Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                    |
| Sequence Length                                    | 270                                                                                                                                                                                                 |
| Applicable Applications for anti-IKB beta antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                       |
| Immunogen                                          | E Coli-derived human IKB beta recombinant protein (Position: E56-E237). Human IKB beta shares 82% and 80% amino acid (aa) sequence identity with mouse and rat IKB beta, respectively.              |
| 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. |

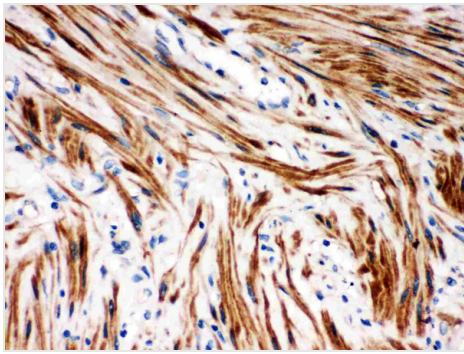
### IMAGES



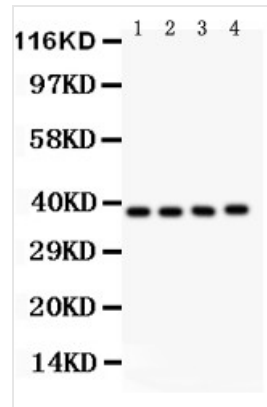
IHC (Immunohistochemistry)  
Anti- IKB beta Picoband antibody, AAA46351,IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)  
Anti- IKB beta Picoband antibody, AAA46351,IHC(P)IHC(P): Mouse Intestine Tissue



**IHC (Immunohistochemistry)**  
Anti- IKB beta Picoband antibody, AAA46351,IHC(P)IHC(P): Human Intestinal Cancer Tissue



**WB (Western Blot)**  
Anti- IKB beta Picoband antibody, AAA46351, Western blottingAll lanes: Anti IKB beta (AAA46351) at 0.5ug/mlLane 1: Mouse Kidney Tissue Lysate at 50ugLane 2: RH35 Whole Cell Lysate at 40ugLane 3: NRK Whole Cell Lysate at 40ugLane 4: HELA Whole Cell Lysate at 40ugPredicted bind size: 38KDObserved bind size: 38KD

### ADDITIONAL INFORMATION

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-IKB beta antibody</b> | <p>Description: Rabbit IgG polyclonal antibody for NF-kappa-B inhibitor beta(NFKBIB) detection. Tested with WB, IHC-P in Human;Mouse;Rat.</p> <p>Background: NF-kappa-B inhibitor beta, also known as IKBB or TRIP9, is a protein that in humans is encoded by the NFKBIB gene. The protein encoded by this gene belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. This gene is mapped to 19q13.2. It has been found that in vivo, NFKBIB serves both to inhibit and to facilitate the inflammatory response. NFKBIB degradation releases NF-kappa-B dimers, which upregulate proinflammatory target genes such as TNF-alpha. Surprisingly, absence of NFKBIB results in a dramatic reduction of TNF-alpha in response to lipopolysaccharide, even though activation of NF-kappa-B is normal.</p> |
| <b>References</b>                                             | <p>1. Okamoto T, Ono T, Hori M, Yang J, Tetsuka T, Kawabe T et al. (November 1998). "Assignment of the IkappaB-beta gene NFKBIB to human chromosome band 19q13.1 by in situ hybridization". Cytogenet Cell Genet 82 (1-2): 105-6. 2. Rao, P., Hayden, M. S., Long, M., Scott, M. L., West, A. P., Zhang, D., Oeckinghaus, A., Lynch, C., Hoffmann, A., Baltimore, D., Ghosh, S. I-kappa-B-beta acts to inhibit and activate gene expression during the inflammatory response. Nature 466: 1115-1119, 2010.</p>                                                                                                                                                                                                                                                                                                                                                             |

### NCBI AND UNIPROT INFORMATION

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| <b>NCBI GI #</b>                        | 340805857                           |
| <b>NCBI GeneID</b>                      | 4793                                |
| <b>NCBI Accession #</b>                 | NP_001230045.1                      |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001243116.1                      |
| <b>UniProt Accession #</b>              | Q15653; Q96BJ7; A8K3F4              |
| <b>Molecular Weight</b>                 | 35,530 Da                           |
| <b>NCBI Official Full Name</b>          | NF-kappa-B inhibitor beta isoform 2 |
| <b>NCBI Official Synonym Full Names</b> | NFKB 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           |
| <b>UniProt Protein Name</b>             | NF-kappa-B inhibitor beta           |
| <b>UniProt Gene Name</b>                | NFKBIB                              |

|                            |                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------|
| UniProt Synonym Gene Names | IKBB; TRIP9; NF-kappa-BIB; Ikb-B; Ikb-beta; IkappaBbeta; TR-interacting protein 9; TRIP-9 |
| UniProt Entry Name         | 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://stage.aaabiotech.com/polyclonal/ikb-beta-antibody-immunohistochemistry-western-blot-elisa/46351>