

Rabbit anti-Human NFKBIZ Polyclonal Antibody | anti-NFKBIZ antibody

Anti-NFKBIZ Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127288	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunocytochemistry, ELISA

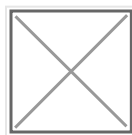
PRODUCT SYNONYMS

NFKBIZ; Polyclonal Antibody; Anti-NFKBIZ Antibody Picoband; Zinc finger protein Helios; Ioricrin; Loricrin; LOR; LRN; anti-NFKBIZ antibody

PRODUCT SPECIFICATIONS

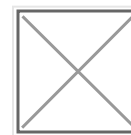
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in testis and to a lesser degree in brain, ovary and placenta. Found in most tissues at low levels.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NFKBIZ antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Immunogen	E coli-derived human NFKBIZ recombinant protein (Position: Q247-H577).
Subcellular Localization	Nucleoplasm. Cytoplasm
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Major keratinocyte cell envelope protein.
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.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HEL cells using anti-NFKBIZ antibody (AAA127288). Overlay histogram showing HEL cells stained with AAA127288 (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-NFKBIZ Antibody (AAA127288, 1ug/1x10⁶ 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/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of NFKBIZ using anti-NFKBIZ antibody (AAA127288) and anti-Beta Tubulin antibody (M01857-3). NFKBIZ was detected in immunocytochemical section of SIHA cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-NFKBIZ Antibody (AAA127288) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of NFKBIZ using anti-NFKBIZ antibody (AAA127288). 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 RT4 whole cell lysates, Lane 2: human Caco-2 whole cell 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-NFKBIZ antigen affinity purified polyclonal antibody (#AAA127288) 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 NFKBIZ at approximately 85 kDa. The expected band size for NFKBIZ is at 68 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NFKBIZ 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-NFKBIZ antibody	Primary Antibodies; Cell Biology; Cytokines; Epigenetics and Nuclear Signaling; Immunology; Innate Immunity; Interferons; Proteasome/Ubiquitin; Proteolysis/Ubiquitin; Ubiquitin & Ubiquitin Like Modifiers; Ubiquitin E3 Enzymes
References	1. Bambouskova, M., Gorvel, L., Lampropoulou, V., Sergushichev, A., Loginicheva, E., Johnson, K., Korenfeld, D., Mathyer, M. E., Kim, H., Huang, L.-H., Duncan, D., Bregman, H., and 19 others. Electrophilic properties of itaconate and derivatives regulate the I-kappa-B-zeta-ATF3 inflammatory axis. Nature 556: 501-504, 2018. 2. Eto, A., Muta, T., Yamazaki, S., Takeshige, K. Essential roles for NF-kappa-B and a Toll/IL-1 receptor domain-specific signal(s) in the induction of I-kappa-B-zeta. Biochem. Biophys. Res. Commun. 301: 495-501, 2003. 3. Gross, M. B. Personal Communication. Baltimore, Md. 5/19/2020.

NCBI AND UNIPROT INFORMATION

NCBI GI #	53832024
NCBI GeneID	64332
NCBI Accession #	NP_001005474
NCBI GenBank Nucleotide #	NM_001005474
UniProt Accession #	Q9BYH8; Q8IUL4; Q8NAZ8; B3KNR2; D3DN54
Molecular Weight	64,298 Da
NCBI Official Full Name	NF-kappa-B inhibitor zeta isoform b
NCBI Official Synonym Full Names	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta
NCBI Official Symbol	NFKBIZ
NCBI Official Synonym Symbols	IKBZ; INAP; MAIL
NCBI Protein Information	NF-kappa-B inhibitor zeta; I-kappa-B-zeta; IL-1 inducible nuclear ankyrin-repeat protein; Ikappa B-zeta variant 3; IkappaB-zeta; IkB-zeta; ikappaBzeta; molecule possessing ankyrin repeats induced by lipopolysaccharide
UniProt Protein Name	NF-kappa-B inhibitor zeta
UniProt Gene Name	NFKBIZ
UniProt Synonym Gene Names	IKBZ; INAP; MAIL; IkB-zeta; IkappaBzeta; INAP; MAIL

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/nfkbiz-antibody-flow-cytometry-western-blot-immunofluorescence-immunocytochemistry-elisa/127288>