Datasheet for ABIN7600878

anti-NFKBIZ antibody (AA 247-577)

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Overview

Quantity:	100 µg
Target:	NFKBIZ
Binding Specificity:	AA 247-577
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIZ antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-NFKBIZ Antibody Picoband®
Immunogen:	E.coli-derived human NFKBIZ recombinant protein (Position: Q247-H577).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NFKBIZ Antibody Picoband® (ABIN7600878). Tested in ELISA, IF, ICC, WB, Flow Cytometry applications. This antibody reacts with Human. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	NFKBIZ
Alternative Name:	NFKBIZ (NFKBIZ Products)
Background:	Synonyms: Loricrin, LOR, LRN Tissue Specificity: Expressed in testis and to a lesser degree in brain, ovary and placenta. Found in most tissues at low levels. Background: NF-kappa-B inhibitor zeta (IκBζ) is a protein that in humans is encoded by the NFKBIZ gene.This gene is a member of the ankyrin-repeat family and is induced by lipopolysaccharide (LPS). The C-terminal portion of the encoded product which contains the ankyrin repeats, shares high sequence similarity with the I kappa B family of proteins. The latter are known to play a role in inflammatory responses to LPS by their interaction with NF-B proteins through ankyrin-repeat domains. Studies in mouse indicate that this gene product is one of the nuclear I kappa B proteins and an activator of IL-6 production. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	85 kDa
Gene ID:	64332
Pathways:	NF-kappaB Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.