

DATASHEET

I kappa B- zeta Rabbit Polyclonal Antibody

CAT. NO. APA13957

KEY FEATURES

Target	I kappa B- zeta	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Involved in regulation of NF-kappa-B transcription factor complexes . Inhibits NF-kappa-B activity without affecting its nuclear translocation upon stimulation . Inhibits DNA-binding of RELA and NFKB1/p50, and of the NF-kappa-B p65-p50 heterodimer and the NF-kappa-B p50-p50 homodimer . Also seems to activate NF-kappa-B-mediated transcription . In vitro, upon association with NFKB1/p50 has transcriptional activation activity and, together with NFKB1/p50 and RELA, is recruited to LCN2 promoters . Promotes transcription of LCN2 and DEFB4 . Is recruited to IL-6 promoters and activates IL-6 but decreases TNF production in response to LPS . Seems to be involved in the induction of inflammatory genes activated through TLR/IL-1 receptor signaling .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

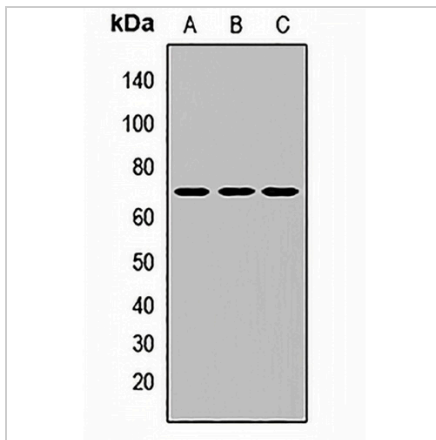
Description	Rabbit polyclonal antibody to I kappa B- zeta
Specificity	Recognizes endogenous levels of I kappa B- zeta protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human I kappa B- zeta
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 64; Observed: 68 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	IKBZ; INAP; MAIL; NF-kappa-B inhibitor zeta; I-kappa-B-zeta; IκB-zeta; IkappaBzeta; IL-1 inducible nuclear ankyrin-repeat protein; INAP; Molecule possessing ankyrin repeats induced by lipopolysaccharide; MAIL
Gene Symbol	NFKBIZ
Entrez Gene	64332(Human); 80859(Mouse)
SwissProt	Q9BYH8(Human); Q9EST8(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of I kappa B- zeta expression in THP1 (A), mouse kidney (B), rat kidney (C) whole cell lysates. (Predicted band size: 64; 68; 78 kD; Observed band size: 68 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.