

Datasheet for ABIN7207194  
**anti-NFKBIA antibody (AA 10-90)**



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6 Images

## Overview

Quantity:	100 µL
Target:	NFKBIA
Binding Specificity:	AA 10-90
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	IκB-α Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the N-terminal region of human IκappaB-alpha at AA range: 10-90
Isotype:	IgG
Specificity:	IκB-α Polyclonal Antibody detects endogenous levels of IκB-α protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

## Target Details

Target:	NFKBIA
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## Target Details

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Alternative Name:	<a href="#">IkappaB-alpha (NFKBIA Products)</a>
Background:	Rabbit Anti-IkappaB-α Polyclonal Antibody, NFKBIA, IKBA, MAD3, NFKBI, NF-kappa-B inhibitor alpha, I-kappa-B-alpha, IκB-alpha, IkappaBalph, Major histocompatibility complex enhancer-binding protein MAD3, NFKBIA encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. NF-kappa-B inhibitor alpha interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. NF-kappa-B inhibitor alpha moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease, NF-kappa-B inhibitor alpha
Gene ID:	4792
UniProt:	<a href="#">P25963</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">BCR Signaling</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:200), IHC-P (1:50-1:300), ELISA (1:10000-1:20000). Not yet tested in other applications.
Restrictions:	For Research Use only

## Handling

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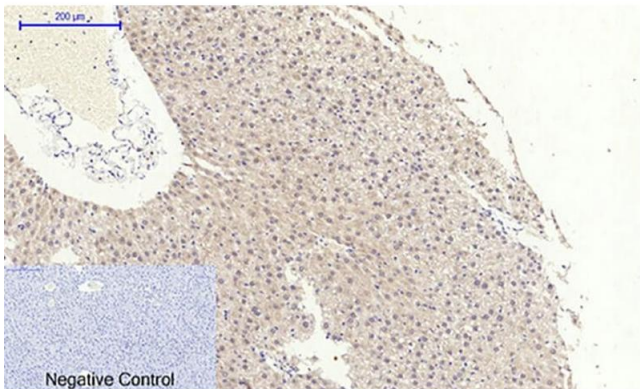
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

## Handling

### Storage Comment:

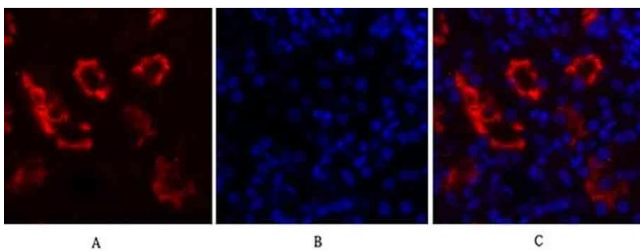
Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

## Images



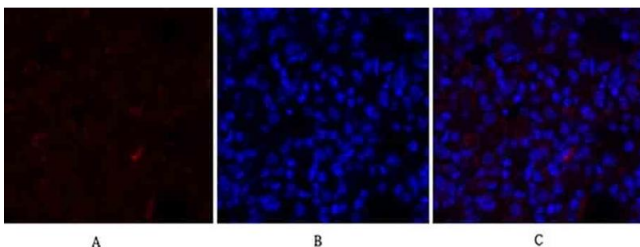
### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded rat liver tissue. 1, IκB-α Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of mouse kidney tissue. 1, IκB-α Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of rat lung tissue. 1, IκB-α Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7207194.