

## Datasheet for ABIN969313 **anti-NFKB1 antibody**

### 5 Images



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### Overview

Quantity:	100 µL
Target:	NFKB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NFKB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

### Product Details

Purpose:	NFKB1 Antibody
Immunogen:	Purified recombinant fragment of human NFKB1 expressed in E. Coli.
Clone:	5D10D11
Isotype:	IgG2a
Purification:	Ascitic fluid

### Target Details

Target:	NFKB1
Alternative Name:	NFKB1 ( <a href="#">NFKB1 Products</a> )
Background:	Description: This gene encodes a 105 kD protein which can undergo cotranslational processing

## Target Details

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by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene.

Aliases: p50, KBF1, p105, EBP-1, MGC54151, NFKB-p50, NFkappaB, NF-kappaB, NFKB-p105, NF-kappa-B

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Molecular Weight: 50kDa/105kDa

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Gene ID: 4790

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HGNC: 4790

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UniProt: [P19838](#)

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Pathways: [p53 Signaling](#), [NF-kappaB Signaling](#), [RTK Signaling](#), [TCR Signaling](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Myometrial Relaxation and Contraction](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#), [S100 Proteins](#)

## Application Details

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Application Notes: ELISA: 1/10000  
FCM: 1/200 - 1/400  
ICC: 1/200 - 1/1000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Ascitic fluid containing 0.03 % sodium azide.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

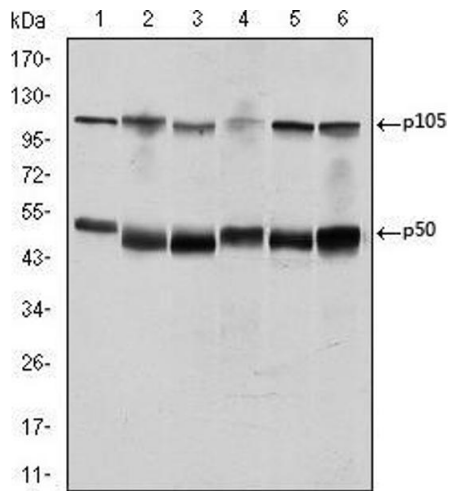
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## Handling

Storage: 4 °C, -20 °C

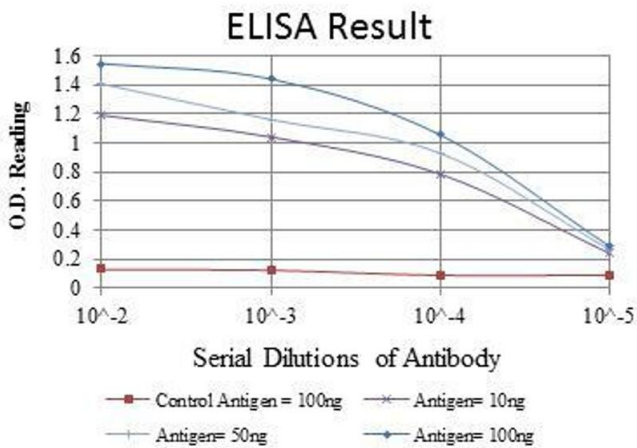
Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Images



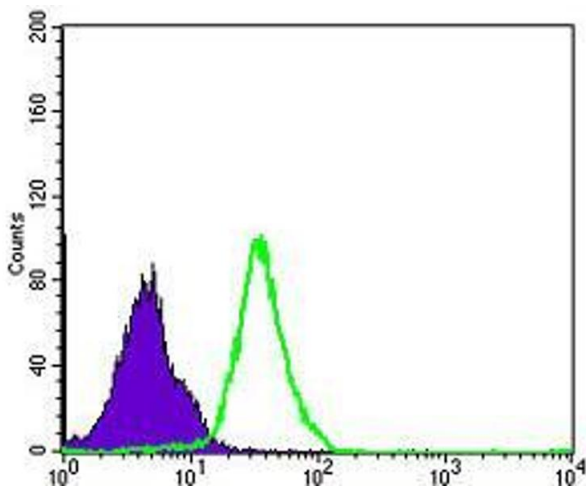
### Western Blotting

**Image 1.** Western blot analysis using NFKB1 mouse mAb against K562 (1), Jurkat (2), A431 (3), HeLa (4), THP-1 (5) and MCF-7 (6) cell lysate.



### ELISA

**Image 2.** Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



### Flow Cytometry

**Image 3.** Flow cytometric analysis of MCF-7 cells using NFKB1 mouse mAb (green) and negative control (purple).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN969313.