

Datasheet for ABIN969313

anti-NFKB1 antibody

5 Images

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Overview

Quantity:	100 µL
Target:	NFKB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human NFKB1 expressed in E. coli.
Clone:	5D10D11
Isotype:	IgG2a
Purification:	purified

Target Details

Target:	NFKB1
Alternative Name:	NFKB1 (NFKB1 Products)
Background:	Description: This gene encodes a 105 kD protein which can undergo cotranslational processing 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-

Target Details

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

Molecular Weight: 50 kDa/105 kDa

Gene ID: 4790

HGNC: 4790

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

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

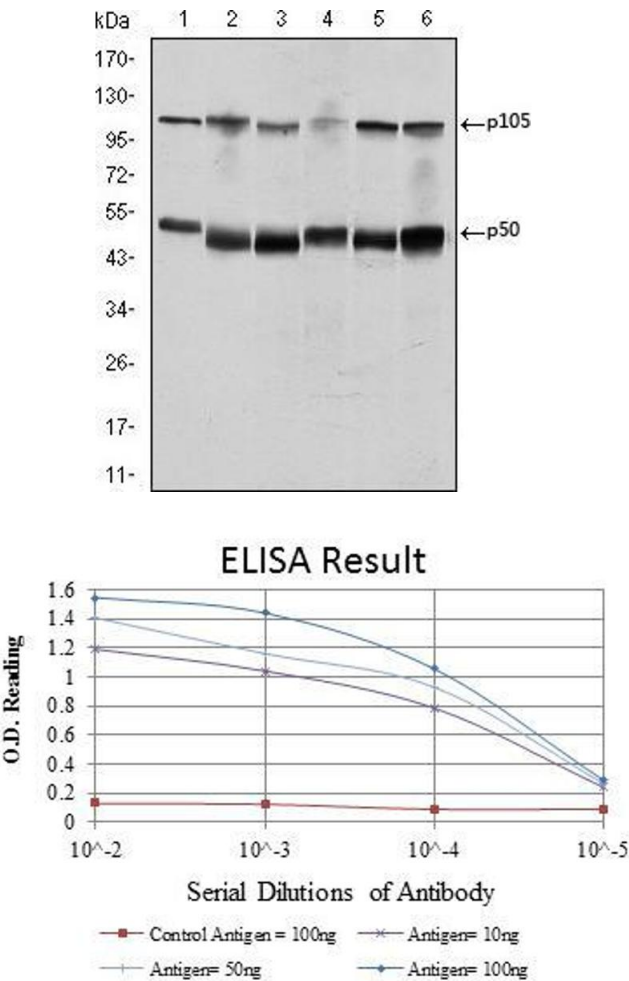
Buffer: Ascitic fluid containing 0.03 % sodium azide.

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: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

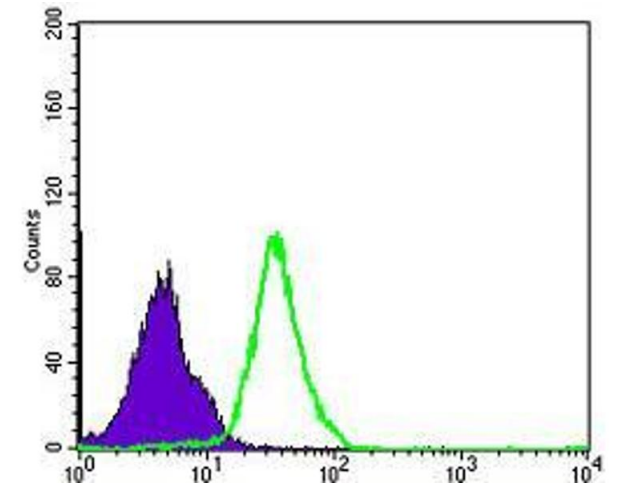


Western Blotting

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.