

Datasheet for ABIN389601
anti-NFkB antibody (pSer536)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	NFkB
Binding Specificity:	pSer536
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFkB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This NFkB Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S536 of human NFkB.
Clone:	RB5212
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	NFkB
Alternative Name:	NFkB (NFkB Products)
Background:	NFkB1 or NFkB2 is bound to REL, RELA, or RELB to form the NFkB complex. The p50

Target Details

(NFKB1)/p65 (RELA) heterodimer is the most abundant form of NFKB. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB), which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NFKB complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T, R is an A or G purine, and Y is a C or T pyrimidine).

Molecular Weight: 60219

Gene ID: 5970

NCBI Accession: [NP_001138610](#), [NP_001230913](#), [NP_068810](#)

UniProt: [Q04206](#)

Pathways: [Ubiquitin Proteasome Pathway](#), [S100 Proteins](#)

Application Details

Application Notes: WB: 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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

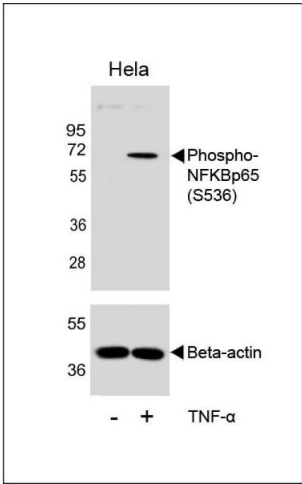
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

Product cited in: Lei, Chen, Huang, Wu, Lin, Lai: "Proteomic analysis of the effect of extracellular calcium ions on

human mesenchymal stem cells: Implications for bone tissue engineering." in: **Chemico-biological interactions**, Vol. 233, pp. 139-46, (2015) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of lysates from HeLa cell line, untreated or treated with TNF- α , 20 ng/mL, using Phospho-NFKBp65 Antibody (upper) or Beta-actin (lower).