# NF-kB p65 Rabbit mAb

Catalog No: #48676

Package Size: #48676-1 50ul #48676-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

Description	
Product Name	NF-kB p65 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SZ10-04
Purification	ProA affinity purified
Applications	WB;ICC/IF;IHC;IP;FC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Avian reticuloendotheliosis viral (v rel) oncogene homolog A antibody MGC131774 antibody NF kappa B
	p65delta3 antibody NFKB3 antibody Nuclear Factor NF Kappa B p65 Subunit antibody Nuclear factor
	NF-kappa-B p65 subunit antibody Nuclear factor of kappa light polypeptide gene enhancer in B cells 3
	antibody Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 antibody
	OTTHUMP00000233473 antibody OTTHUMP00000233474 antibody OTTHUMP00000233475 antibody
	OTTHUMP00000233476 antibody OTTHUMP00000233900 antibody p65 antibody p65 NF kappaB antibody
	p65 NFkB antibody relA antibody TF65_HUMAN antibody Transcription factor p65 antibody v rel avian
	reticuloendotheliosis viral oncogene homolog A (nuclear factor of kappa light polypeptide gene enhancer in B
	cells 3 (p65)) antibody V rel avian reticuloendotheliosis viral oncogene homolog A antibody v rel
	reticuloendotheliosis viral oncogene homolog A (avian) antibody V rel reticuloendotheliosis viral oncogene
	homolog A, nuclear factor of kappa light polypeptide gene enhancer in B cells 3, p65 antibody
Accession No.	Swiss-Prot#:Q04206
Calculated MW	60 kDa
SDS-PAGE MW	65 kDa

1\*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.

# **Application Details**

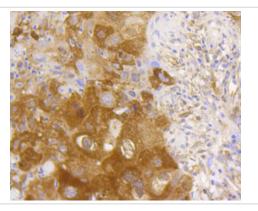
WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

Store at -20°C

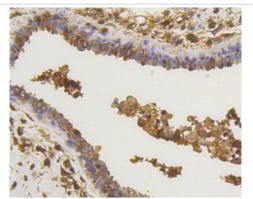
# **Images**

Formulation

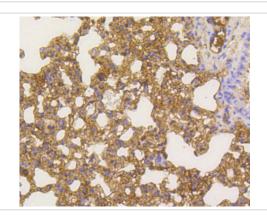
Storage



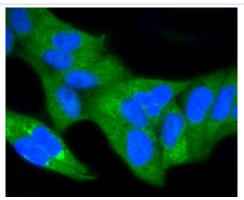
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-NF-kB p65 antibody. Counter stained with hematoxylin.



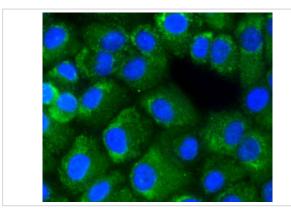
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-NF-kB p65 antibody. Counter stained with hematoxylin.



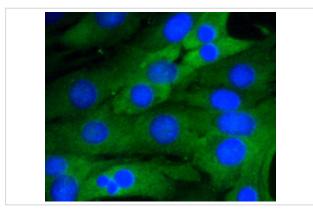
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-NF-kB p65 antibody. Counter stained with hematoxylin.



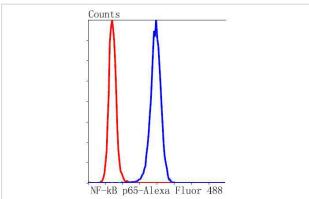
ICC staining NF-kB p65 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



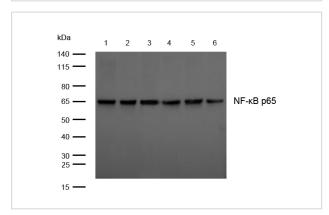
ICC staining NF-kB p65 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



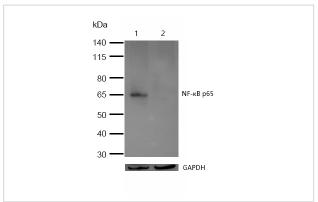
ICC staining NF-kB p65 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with NF-kB p65 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



All lanes: NF- $\kappa$ B p65 Rabbit mAb at 1/1k dilutionLane 1 : Hela whole cell lysates Lane 2 : 293 whole cell lysates Lane 3 : JK whole cell lysates Lane 4 : K562 whole cell lysates Lane 5 : 3T3 whole cell lysates Lane 6 : Mouse stomach lysates Lysates/proteins at 20  $\mu$ g per lane.SecondaryAll lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilutionPredicted band size: 60 kDa Observed band size: 65 kDaExposure time: 5 seconds



All lanes :NF- $\kappa$ B p65 Rabbit mAb at 1/1k dilutionLane 1 : Wild-type HAP1 cell lysateLane 2 : NF- $\kappa$ B p65 knockdown HAP1 cell lysateLysates/proteins at 20  $\mu$ g per lane.

## Background

Proteins encoded by the v-Rel viral oncogene and its cellular homolog, c-Rel, are members of a family of transcription factors that include the two subunits of the transcription factor NF kB (p50 and p65) and the Drosophila maternal morphogen, dorsal. Both proteins specifically bind to DNA sequences that are the same or slight variations of the 10 bp kB sequence in the immunoglobulin k light chain enhancer. This same sequence is also present in a number of other cellular and viral enhancers. The DNA binding activity of NFkB is activated and NFkB is subsequently transported from the cytoplasm to the nucleus in cells exposed to mitogens or growth factors. cDNAs encoding precursors for two distinct proteins of the same size have been described, designated p105 and p100. The p105 precursor contains p50 at its N-terminus and a C-terminal region that when expressed as a separate molecule, designated pdl, binds to p50 and regulates its activity.

## References

- 1. Kang K et al. Carnosic acid slows photoreceptor degeneration in the Pde6b(rd10) mouse model of retinitis pigmentosa. Sci Rep 6:22632 (2016).
- 2. Kropp KA et al. A temporal gate for viral enhancers to co-opt Toll-like-receptor transcriptional activation pathways upon acute infection. PLoS Pathog 11:e1004737 (2015).

## **Published Papers**

el at., Lack of bombesin receptor-activated protein attenuates bleomycin-induced pulmonary fibrosis in mice. In Life Sci Alliance on 2022 Jul 12 by Hui Wang, Wenrui Zhang, et al..PMID:35820707, , (2022)

#### PMID:35820707

Shi Zelun;Han Xiao;Zhang Xiaobo;Wang Qing;He Wen;Fu Weijia;Wang Yingwen;SHI Zelun;WANG Qing;HE Wen;FU Weijia;WANG Yingwen;HAN Xiao;ZHANG Xiaobo el at., Nanoplastics aggravate severe asthma by inducing DNA damage of alveolar type β 'epithelial cells, , (2024)

#### PMID:

θ £ζΆ§ζ΄; ζ• ε• θ ³;Jianqiao Dong;Li Kunyan;Li Jing;Wang Bin;Wang Yanhong;Jia Hongyan;Dong Jianqiao;DONG Jianqiao;LI Kunyan;LI Jing;WANG Bin;WANG Yanhong;JIA Hongyan;θ £ ζΆ§ζ΄; ζ• ε• θ ³;ζ• θ• •;η ζ ;η θ ³ηΊ';θ"Υ ηΊ'η el at., A study on mechanism of SIRT3 inducing endocrine drug resistance in breast cancer via deacetylating YME1L1, (2024)

#### PMID:

Wang Zhiqiang;Liang Gaoshuang;Peng Jinying;Gu Yiying;Zhang Xiangwen;Ding Cong;Yu Tingzi;Li Zhuan el at., Sirtuin 7 Promotes

Alcohol-Associated Liver Injury via Modulating Myeloid Cell Chemokine (C-C Motif) Ligand 2 Secretion through the NF-kB Signaling Pathway, , (2025)

PMID:

Xiuli Zhang; Hao Zhang; Jingting Wang; Yangyi Chen; Jiumao Lin; Qingshui Wang; Cheng Wu; Hui Chen; Yao Lin el at., Curcumin attenuates ulcerative colitis via regulation of Sphingosine kinases 1/NF-kB signaling pathway.,, (2025)

#### PMID:39832759

PMID:39746506

Zhiqiang Wang; Gaoshuang Liang; Jinying Peng; Yiying Gu; Xiangwen Zhang; Cong Ding; Tingzi Yu; Zhuan Li el at., Sirtuin 7 Promotes

Alcohol-Associated Liver Injury via Modulating Myeloid Cell Chemokine (C-C Motif) Ligand 2 Secretion through the NF-kB Signaling Pathway.,, (2025)

el at., Gingerenone A Attenuates Ulcerative Colitis via Targeting IL-17RA to Inhibit Inflammation and Restore Intestinal Barrier Function. In Adv Sci (Weinh) on 2024 Jul by Jian Liang, Weigang Dai, et al.. PMID:38639442, , (2024)

PMID:38639442

Note: This product is for in vitro research use only and is not intended for use in humans or animals.