

NFκB p65 Mouse Monoclonal Antibody

Catalog No: #38054

Package Size: #38054 100ul

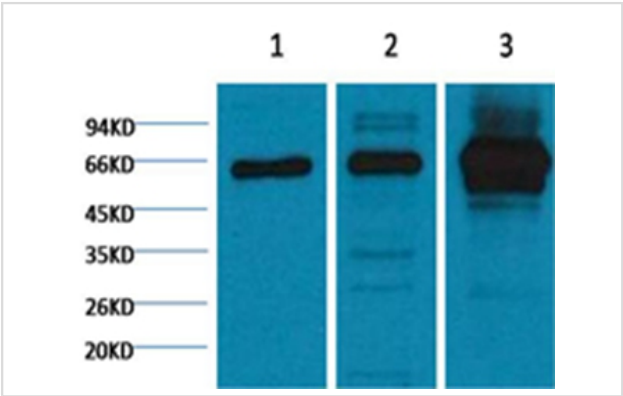
Description

Product Name	NFκB p65 Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Hu Rt Ms
Specificity	NFκB p65 Mouse monoclonal antibody detects endogenous p65 proteins.
Conjugates	Unconjugated
Target Name	NFκB p65
Other Names	MGC131774; NFKB3; Nuclear factor NF-kappa-B p65 subunit; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; p65; RELA; TF65; Transcription factor p65
Accession No.	Swiss-Prot#:Q04206
SDS-PAGE MW	65kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

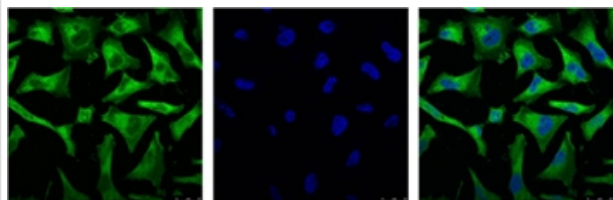
Application Details

WB dilution: 1:1000~1:3000
IF dilution: 1:100
IP dilution: 1:200IHC dilution:1:50-300IF dilution:1:200

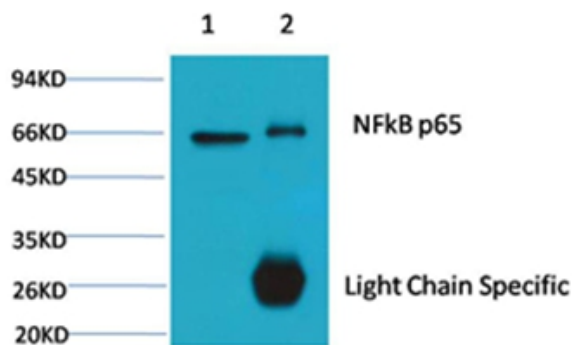
Images



Western blot analysis of 1) Hela, 2) Rat Heart Tissue, 3) Mouse Spleen Tissue, using #38054 diluted at 1:2000.



IF analysis of HeLa with #38054(Left) and DAPI (Right) diluted at 1:100.

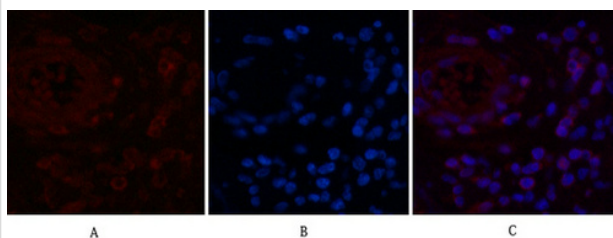


1B'B'Input: HeLa Cell Lysate

2B'B'IP product: IP dilute 1:200

Western blot analysis: primary antibody :#38054 1:2,000

Secondary antibody: Goat anti-Mouse IgG, Light chain specific, 1:5,000



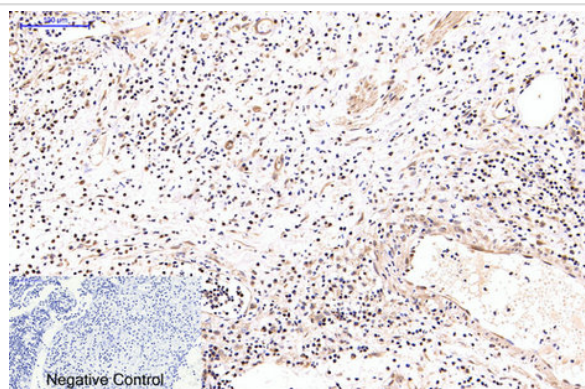
Immunofluorescence analysis of Human-appendix tissue.

1,NFkB p65 Monoclonal Antibody(5G6)(red) was diluted at 1:200(4C,overnight).

2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).

3, Picture B: DAPI(blue) 10min.

Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

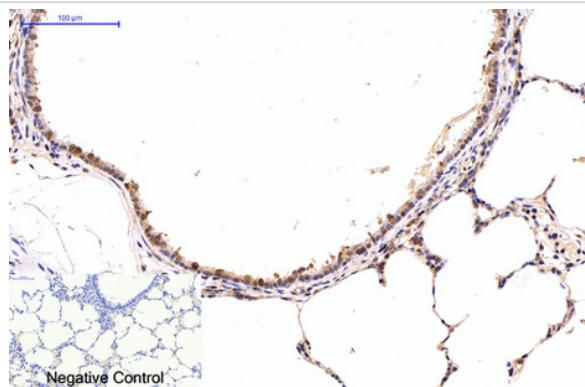


Immunohistochemical analysis of paraffin-embedded Human-Appendix tissue.

1,NFkB p65 Monoclonal Antibody(5G6) was diluted at 1:200(4C,overnight).

2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C,20min).

3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue.

1,NFkB p65 Monoclonal Antibody(5G6) was diluted at 1:200(4C,overnight).

2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C,20min).

3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

Background

NFkB p65 is ubiquitinated leading to its proteosomal degradation, which is required for termination of the NFkB response. Phosphorylation of NFkB p65 on S536 stimulates acetylation of K310 by CBP, enhancing transcriptional activity. NFkB p65 is also acetylated at K122, enhancing DNA binding and impairing the interaction with NFKBIA. The protein is deacetylated by HDAC3. Invasion of a host by a pathogen is frequently associated with the activation of NF-kB, which coordinates various aspects of immune function required for resistance to infection.

Published Papers

el at., The antioxidant effects of garlic saponins protect PC12 cells from hypoxia-induced damage. In Br J Nutr on 2011 Apr by Hong Luo, Jian Huang, et al..PMID: 21205417, , (2011)

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el at., Costunolide improved dextran sulfate sodium-induced acute ulcerative colitis in mice through NF-kB, STAT1/3, and Akt signaling pathways. In Int Immunopharmacol on 2020 Jul by Fan Xie, Hai Zhang, et al..PMID:32413737, , (2020)

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Wu Yixiang;Zheng Xiaoshan;Mobet Youchaou;Tian Huiqun;Li Fangsen;Li Huan;Xie Lifeng;Deng Yanyue;Zhu Xiaodi;Tang Chuxi;Shao Hongwei;Liu Song el at., Research on the role and mechanism of Aloe vera (L.) Burm.f. in the treatment of burn: Based on network pharmacology analysis and experimental verification, , (2024)

[PMID:](#)

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