

NFκB p65 Mouse Monoclonal Antibody

Catalog No: #38054

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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.
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
Uniprot	Q04206
GeneID	5970;
SDS-PAGE MW	65kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

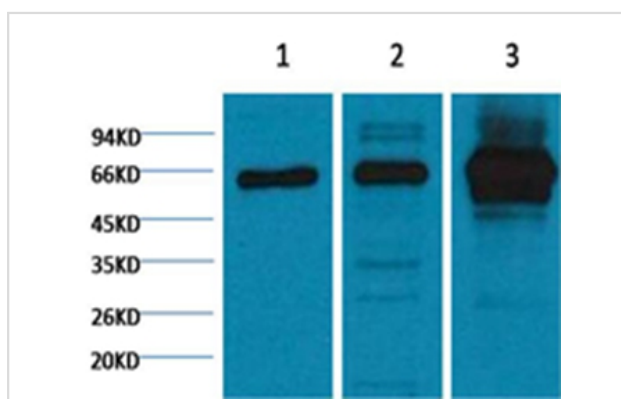
Application Details

WB dilution: 1:1000~1:3000

IF dilution: 1:100

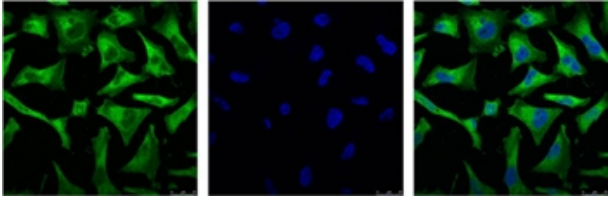
IP dilution: 1:200IHC dilution:1:50-300IF dilution:1:200

Images

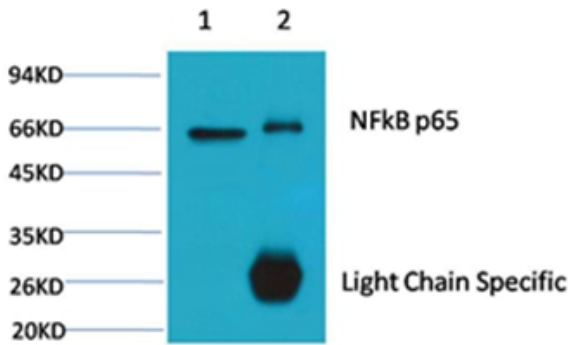


Western blot analysis of 1) Hela, 2) Rat Heart Tissue, 3) Mouse Spleen Tissue, using #38054 diluted at 1:2000.

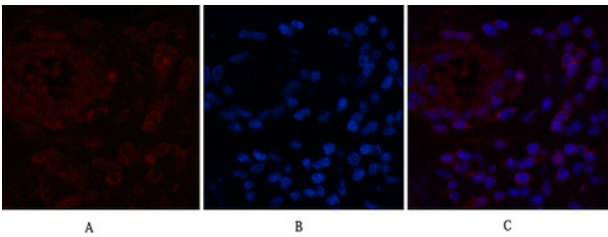
IF analysis of Hela with #38054(Left) and DAPI (Right) diluted at 1:100.



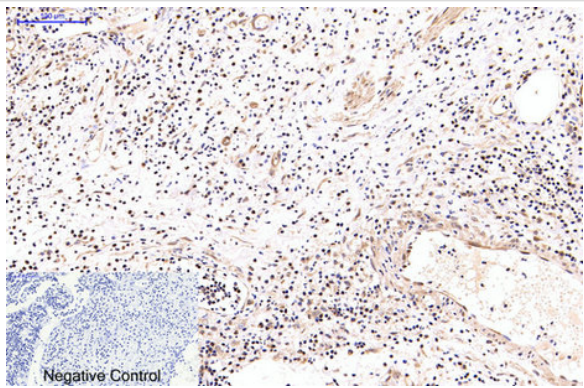
1B'Input: Hela Cell Lysate
 2B'IP product: IP dilute 1:200
 Western blot analysis: primary antibody :#38054 1:2,000
 Secondary antibody: Goat anti-Mouse IgG, Light chain specific, 1:5,000



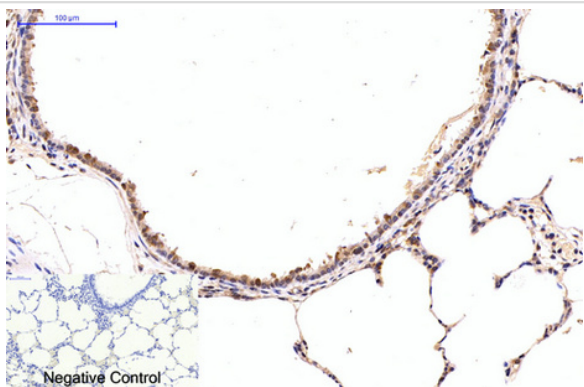
Immunofluorescence analysis of Human-appendix tissue.
 1,NFkB p65 Monoclonal Antibody(5G6)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



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

NFκB p65 is ubiquitinated leading to its proteosomal degradation, which is required for termination of the NFκB response. Phosphorylation of NFκB p65 on S536 stimulates acetylation of K310 by CBP, enhancing transcriptional activity. NFκB 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-κB, which coordinates various aspects of immune function required for resistance to infection.

Note: This product is for in vitro research use only