

NF κ B p65 Mouse Monoclonal Antibody(5G6)

Catalog No: RA10386

Basic Information

Host species	Mouse
Applications	WB, IP, IF, IHC
Species Cross-Reactivity	H, R, M
Specificity	NF κ B p65 Mouse monoclonal antibody detects endogenous p65 proteins.
Recommended dilutions	WB: 1:500-2,000 IP:1:200 IF: 1:100-200 IHC:1:200-500 Optimal dilutions should be determined by the end user.

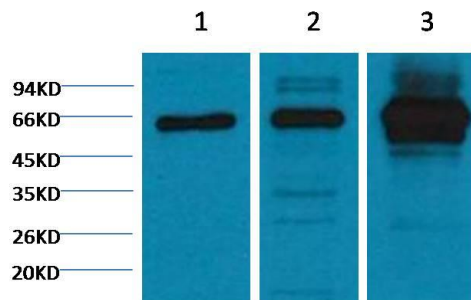
Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

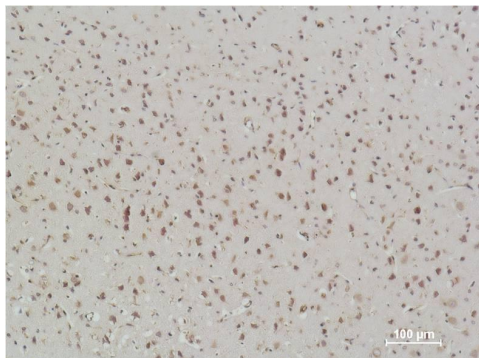
Background

Alternative Names	NF kappa B p65, NFKB3, p65, p65 NF kB, RELA, TF65, Transcription Factor p65
Observed band	65
Human Gene ID	5970
Human Swiss-Prot Number	Q04206
Background	NF κ B p65 is ubiquitinated leading to its proteosomal degradation, which is required for termination of the NF κ B response. Phosphorylation of NF κ B p65 on S536 stimulates acetylation of K310 by CBP, enhancing transcriptional activity. NF κ B 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- κ B, which coordinates various aspects of immune function required for resistance to infection.

Selected Validation Data



Western blot analysis of 1) Hela, 2) Rat Heart Tissue, 3) Mouse Spleen Tissue with NFkB p65 Mouse mAb diluted at 1:2000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using NFkB p65 Mouse mAb diluted at 1:500.