

NFkB p65 Mouse Monoclonal Antibody (14H2)

Catalog No: RA10246

Basic Information

Host species	Mouse
Applications	WB, IHC, IP
Species Cross-Reactivity	H,M,R
Specificity	NFkB p65 Mouse monoclonal antibody detects endogenous p65 proteins.
Recommended dilutions	WB: 1:1,000-3,000 IHC: 1:200 IP:1:200 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

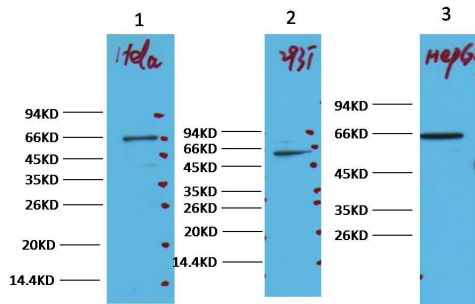
Alternative Names

Observed band	65
Human Gene ID	5970
Human Swiss-Prot Number	Q04206

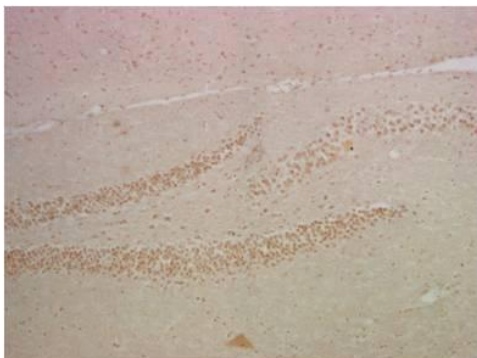
Background

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.

Selected Validation Data



Western blot analysis of 1) HeLa, 2)293T,3)HepG with NFκB p65 mAb diluted at 1:2,000.



IHC staining of mouse hippocampus tissue with NFκB p65 mouse mAb(14H2) diluted at 1:200.