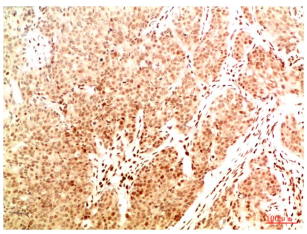
Acetyl-NF-kB p65 (Lys314/Lys315) (5F4) Mouse mAb

db6589 **Package : 50μL 100μL**

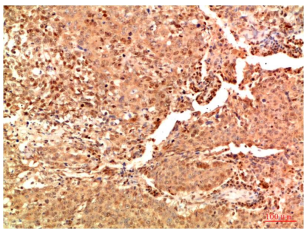
Product Name : Acetyl-NF-kB p65 (Lys314/Lys315) (5F4) Mouse mAb
Cat.No.: db6589
Synonyms : NFKB3; RELA; TF65; Transcription factor p65; p65; NFkB
Application : IHC-P
Reactivity : Human, Rat, Mouse
Host species : Mouse

Background	NF-kappa-B is a pleiotropic transcription factor present in almost all cell types and is the endpoint of a series of signal transduction events that are initiated by a vast array of stimuli related to many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and NFKB2/p52 and the heterodimeric p65-p50 complex appears to be most abundant one. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively. NF-kappa-B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NF-kappa-B complexes are held in the cytoplasm in an inactive state complexed with members of the NF-kappa-B inhibitor (I-kappa-B) family. In a conventional activation pathway, I-kappa-B is phosphorylated by I-kappa-B kinases (IKKs) in response to different activators, subsequently degraded thus liberating the active NF-kappa-B complex which translocates to the nucleus. NF-kappa-B heterodimeric p65-p50 and p65-c-Rel complexes are transcriptional activators. The NF-kappa-B p65-p65 complex appears to be involved in invasin-mediated activation of IL-8 expression. The inhibitory effect of I-kappa-B upon NF-kappa-B the cytoplasm is exerted primarily through the interaction with p65. p65 shows a weak DNA-binding site which could contribute directly to DNA binding in the NF-kappa-B complex. Associates with chromatin at the NF-kappa-B promoter region via association with DDX1. Essential for cytokine gene expression in T-cells (PubMed/15790681).
Immunogen	Synthetic peptide conjugated to KLH
Gene ID	5970
Swiss Prot	Q04206
Synonyms	NFKB3; RELA; TF65; Transcription factor p65; p65; NFkB

Reactivity	Human, Rat, Mouse
Application	IHC-P
Recommended dilution	IHC: 1:50-1:100
Calculated MW	65 kDa
Host species	Mouse
Clonality	Monoclonal
Clonality No.	5F4-4E1-5H8
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using Acetyl-NF-KB p65 (Lys314/Lys315) (5F4) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using Acetyl-NF-KB p65 (Lys314/Lys315) (5F4) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.