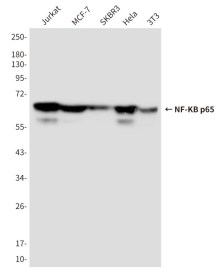
NF-kB p65 (5A10) Mouse mAb

db6428 **Package : 50μL 100μL**

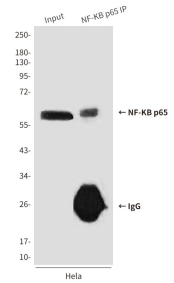
Product Name : NF-kB p65 (5A10) Mouse mAb
Cat.No.: db6428
Synonyms : NFKB3; RELA; TF65; Transcription factor p65; p65; NFkB
Application : WB, IHC-P, IP
Reactivity : Human, Mouse, Rat
Host species : Mouse

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 of NFkB p65
Gene ID	5970
Swiss Prot	Q04206
Synonyms	NFKB3; RELA; TF65; Transcription factor p65; p65; NFkB

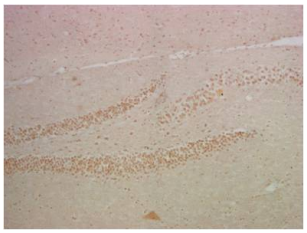
Reactivity	Human, Mouse, Rat
Application	WB, IHC-P, IP
Recommended dilution	WB: 1:500-1000 IHC: 1:50-1:100 IP: 1:20
Calculated MW	65 kDa
Observed MW	65 kDa
Host species	Mouse
Clonality	Monoclonal
Clonality No.	5A10-1F10-1D8
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	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.



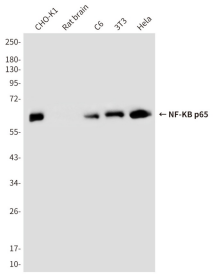
Western blot analysis of NFκB p65 in Jurkat, MCF-7, SKBR3, Hela and 3T3 lysates using NFκB p65 antibody.



Immunoprecipitation analysis of NF-KB p65 in Hela lysates using NF-KB p65 (5A10) antibody



Immunohistochemistry analysis of paraffin-embedded mouse hippocampus using NFκB p65 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of NF-KB p65 (5A10) in CHO-K1, rat brain, C6, 3T3, Hela lysates using NF-KB p65 (5A10) antibody