

NF-kB p65 (5A10) Mouse mAb (PBS Only)

db6428-PBS

Package : 可询价

Product Name : NF-kB p65 (5A10) Mouse mAb (PBS Only)**Cat.No.:** db6428-PBS**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 (Ikappa-B) family. In a conventional activation pathway, Ikappa-B is phosphorylated by Ikappa-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 invasion-mediated activation of IL-8 expression. The inhibitory effect of Ikappa-B upon NF-kappa-B in 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

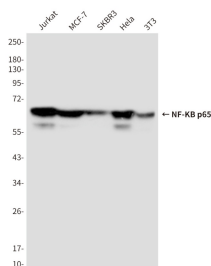
Swiss Prot

Q04206

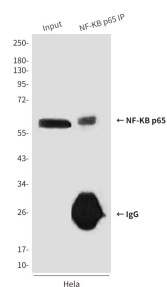
Synonyms

NFKB3; RELA; TF65; Transcription factor p65; p65; NFkB

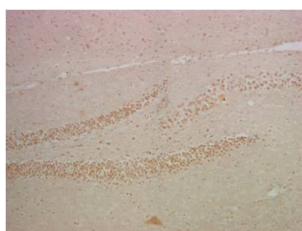
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|--------------------------|---|
| Reactivity | Human, Mouse, Rat |
| Application | WB, IHC-P, IP |
| Calculated MW | 65 kDa |
| Observed MW | 65 kDa |
| Host species | Mouse |
| Clonality | Monoclonal |
| Clonality No. | 5A10-1F10-1D8 |
| Isotype | IgG1 |
| Purity | Affinity Purification |
| Conjugation | Un-conjugated |
| Concentration | 1 mg/mL |
| Formulation | PBS Only |
| Storage Stability | Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt. |



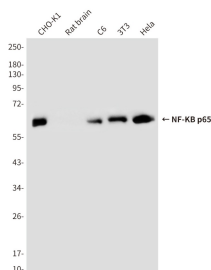
Western blot analysis of NFκB p65 in Jurkat, MCF-7, SKBR3, HeLa and 3T3 lysates using NFκB p65 antibody.



Immunoprecipitation analysis of NF-κB p65 in HeLa lysates using NF-κB 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-κB p65 (5A10) in CHO-K1, rat brain, C6, 3T3, HeLa lysates using NF-κB p65 (5A10) antibody