

NF- κ B p65 (5A10) Mouse mAb (PBS Only)**db6428-PBS****Package :** 可询价**Product Name :** NF- κ B p65 (5A10) Mouse mAb (PBS Only)**Cat.No.:** db6428-PBS**Synonyms :** NFKB3; RELA; TF65; Transcription factor p65; p65; NF κ B**Application :** WB, IHC-P, IP**Reactivity :** Human, Mouse, Rat**Host species :** Mouse**Background**

NF- κ 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- κ 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 κ -B sites in the DNA of their target genes and the individual dimers have distinct preferences for different κ -B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively. NF- κ B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NF- κ B complexes are held in the cytoplasm in an inactive state complexed with members of the NF- κ 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- κ B complex which translocates to the nucleus. NF- κ B heterodimeric p65-p50 and p65-c-Rel complexes are transcriptional activators. The NF- κ 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- κ 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- κ B complex. Associates with chromatin at the NF- κ B promoter region via association with DDX1. Essential for cytokine gene expression in T-cells (PubMed/15790681).

ImmunogenSynthetic Peptide of NF κ B p65**Gene ID**

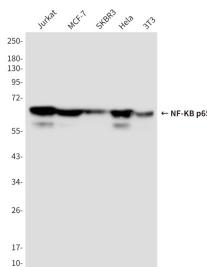
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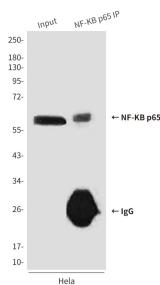
Q04206

SynonymsNFKB3; RELA; TF65; Transcription factor p65; p65; NF κ B

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.



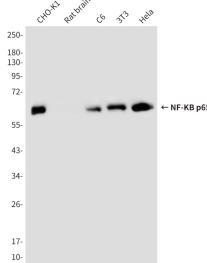
Western blot analysis of NFκB p65 in Jurkat, MCF-7, SKBR3, Hela and 3T3 lysates using NFκB p65 antibody.



Immunoprecipitation analysis of NF-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