

Anti-NFkB p100/NFKB2 antibody ab31432

[5 References](#) [1 图像](#)

概述

产品名称	Anti-NFkB p100/NFKB2抗体
描述	兔多克隆抗体to NFkB p100/NFKB2
宿主	Rabbit
特异性	This antibody detects sites on p100 only. Sometimes there is a 52kDa band on WB; this is not p52. There is a cleavage site on the NFKB2 (Swiss-Prot No.: Q00653). The cleavage site is between 454 and 455 (cleavage when cotranslationally processed). The antibody can interact with the C-half sometimes. The MW. of C-half is near 52Kd.
经测试应用	适用于: ELISA, WB, IP, IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human NFkB p100. Taken from around the phosphorylation site S865 Immunogen range is 833 to 882. Database link: Q00653
阳性对照	WB: extract of ovary cancer cells. IHC: and breast carcinoma tissue.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	This antibody was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee [Abpromise™](#) 承诺保证使用ab31432于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		1/20000.
WB		1/500 - 1/1000. Detects a band of approximately 52, 100 kDa (predicted molecular weight: 54 , 96 kDa).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.

靶标

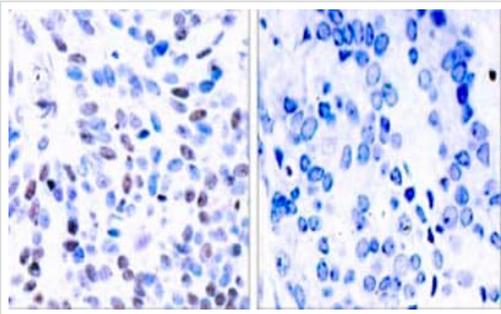
相关性

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. 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. In a non-canonical activation pathway, the MAP3K14-activated CHUK/IKKA homodimer phosphorylates NFKB2/p100 associated with RelB, inducing its proteolytic processing to NFKB2/p52 and the formation of NF-kappa-B RelB-p52 complexes. The NF-kappa-B heterodimeric RelB-p52 complex is a transcriptional activator. The NF-kappa-B p52-p52 homodimer is a transcriptional repressor. NFKB2 appears to have dual functions such as cytoplasmic retention of attached NF-kappa-B proteins by p100 and generation of p52 by a cotranslational processing. The proteasome-mediated process ensures the production of both p52 and p100 and preserves their independent function. p52 binds to the kappa-B consensus sequence 5'-GGRNYYCC-3', located in the enhancer region of genes involved in immune response and acute phase reactions. p52 and p100 are respectively the minor and major form; the processing of p100 being relatively poor. Isoform p49 is a subunit of the NF-kappa-B protein complex, which stimulates the HIV enhancer in synergy with p65. In concert with RELB, regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer.

细胞定位

Cytoplasmic and Nuclear

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NFkB p100 antibody (ab31432)

ab31432, at a dilution of 1/50-1/100, staining NFkB p100 in paraffin embedded human breast carcinoma tissue by

Immunohistochemistry.

Left image: Untreated.

Right image: The same antibody preincubated with synthesized peptide.

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