NFkB p105/p50(Phospho-Ser907) Antibody

#11019

Catalog Number: 11019-1, 11019-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. : P19838

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

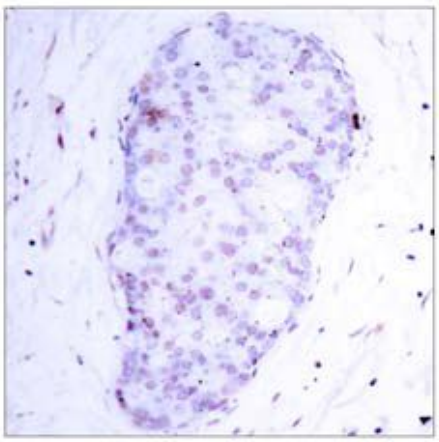
Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human NFκB p105/p50 around the phosphorylation site of serine 907 (P-L-S^P-P-A).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site

Specificity/Sensitivity:
NF κ B-p105/p50 (phospho-Ser907) antibody detects endogenous levels of NF κ B-p105/p50 only when phosphorylated at serine 907.

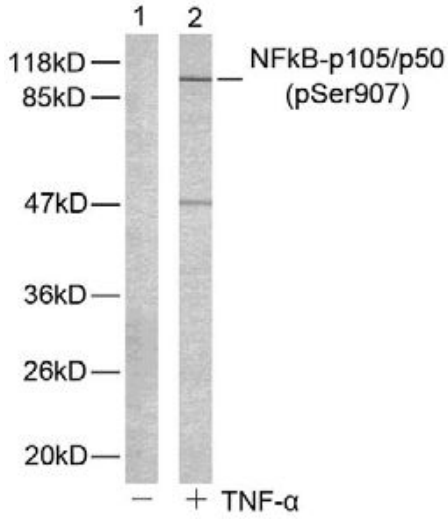
Reactivity: Human

Applications:
Predicted MW: 120kd
WB: 1:500~1:1000 IHC: 1:50~1:100



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using NF κ B p105/p50 (Phospho-Ser907) antibody (#11019).



Western blot analysis of extract from HeLa cells untreated or treated with TNF- α using NF- κ B p105/p50 (phospho-Ser907) antibody (#11019).

Background :

NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processed 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.

References：

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Baeuerle P A, et al. (1994) Annu Rev Immunol. 12:141-179.
Baeuerle P A, et al. (1996) Cell 87:13-20.
Haskill S, et al. (1991) Cell 65:1281-1289.