



# NFκB-p105 (phospho Ser893) rabbit pAb

Cat No.:ES1365

For research use only

## Overview

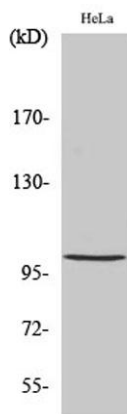
<b>Product Name</b>	NFκB-p105 (phospho Ser893) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NF-kappaB p105/p50 around the phosphorylation site of Ser893. AA range:860-909
<b>Specificity</b>	Phospho-NFκB-p105 (S893) Polyclonal Antibody detects endogenous levels of NFκB-p105 protein only when phosphorylated at S893.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Nuclear factor NF-kappa-B p105 subunit
<b>Gene Name</b>	NFKB1
<b>Cellular localization</b>	Nucleus. Cytoplasm. Nuclear, but also found in the cytoplasm in an inactive form complexed to an inhibitor (I-kappa-B).
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	4790
<b>Human Swiss-Prot Number</b>	P19838
<b>Alternative Names</b>	NFKB1; Nuclear factor NF-kappa-B p105 subunit; DNA-binding factor KBF1; EBP-1; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1



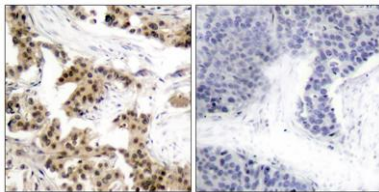


## Background

nuclear factor kappa B subunit 1(NFKB1) Homo sapiens This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Alternative splicing results in multiple transcript variants encoding different isoforms.



Western Blot analysis of various cells using Phospho-NFκB-p105 (S893) Polyclonal Antibody diluted at 1:2000

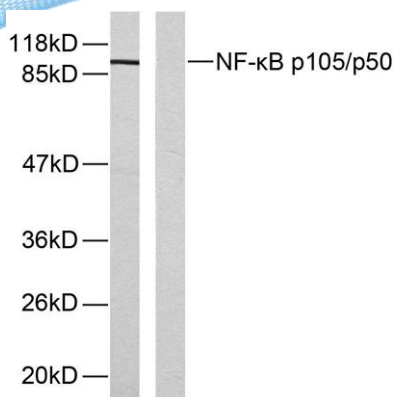


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using NF-kappaB p105/p50 (Phospho-Ser893) Antibody. The picture on the right is blocked with the phospho peptide.





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Western blot analysis of lysates from HeLa cells, using NF-kappaB p105/p50 (Phospho-Ser893) Antibody. The lane on the left is blocked with the phospho peptide.



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