

---

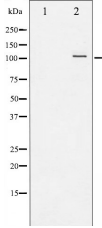
## Phospho-NF kappaB p105/p50 (Ser907) Ab

Cat.#: AF3221  
Size: 100ul,200ul

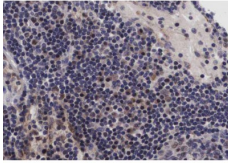
Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 105kDa  
Clonality: Polyclonal

|                               |   |
|-------------------------------|---|
| Application:                  | WB 1:500-1:2000 IHC 1:50-1:200 IP, IF/ICC 1:100-1:500   |
| Reactivity:                   | Human   |
| Purification:                 | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.   |
| Specificity:                  | Phospho-NF- kappaB p105/p50 (Ser907) Ab detects endogenous levels of NF- kappaB p105/p50 only when phosphorylated at Serine 907   |
| Immunogen:                    | A synthesized peptide derived from human NF- kappaB p105/p50 around the phosphorylation site of Serine 907  |
| Uniprot:                      | P19838  |
| Description:                  | NFkB-p105 a transcription factor of the nuclear factor-kappaB ( NFkB) group. Undergoes 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 NFkB. 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. |
| Subcellular Location:         | Nucleus. Cytoplasm. Nuclear, but also found in the cytoplasm in an inactive form complexed to an inhibitor.   |
| Tissue Specificity:           | By phorbol ester and TNF.   |
| Similarity:                   | The C-terminus of p105 might be involved in cytoplasmic retention, inhibition of DNA-binding, and transcription activation. Glycine-rich region (GRR) appears to be a critical element in the generation of p50.  |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt   |



Western blot analysis of NF kappaB p105/p50 phosphorylation expression in TNF- $\alpha$  treated HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



AF3221 at 1/200 staining human lymph nodes tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22° C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3221 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.