

## NF-κB p100 polyclonal antibody

Catalog: AP0219

Host: Rabbit

Reactivity: Human, Rat, Mouse

### BackGround:

Transcription factors of the nuclear factor κB (NF-κB)/Rel family play a pivotal role in inflammatory and immune responses. There are five family members in mammals: RelA, c-Rel, RelB, NF-κB1 (p105/p50), and NF-κB2 (p100/p52). Both p105 and p100 are proteolytically processed by the proteasome to produce p50 and p52, respectively. Rel proteins bind p50 and p52 to form dimeric complexes that bind DNA and regulate transcription. In unstimulated cells, NF-κB is sequestered in the cytoplasm by IκB inhibitory proteins. NF-κB-activating agents can induce the phosphorylation of IκB proteins, targeting them for rapid degradation through the ubiquitin-proteasome pathway and releasing NF-κB to enter the nucleus where it regulates gene expression. NIK and IKKα (IKK1) regulate the phosphorylation and processing of NF-κB2 (p100) to produce p52, which translocates to the nucleus.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

~ 120 kDa

### Swiss-Prot:

Q00653

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000~1:2000

IF: 1:50~1:200

### Storage&Stability:

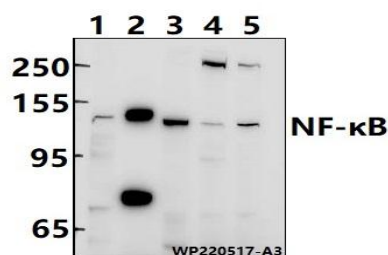
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

NF-κB p100 polyclonal antibody detects endogenous levels of NF-κB p100 protein.

### DATA:



Western blot (WB) analysis of NF-κB p100 polyclonal antibody at 1:1000 dilution

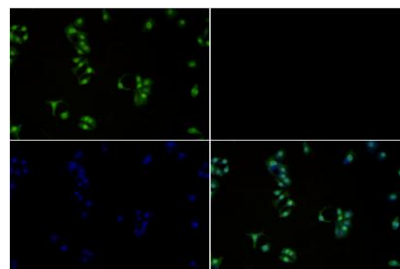
Lane1:HepG2 whole cell lysate(40ug)

Lane2:The Kidney tissue lysate of Rat(40ug)

Lane3:A549 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:BV2 whole cell lysate(40ug)



Immunofluorescence analysis of A549 cells using NF-κB p100 antibody at dilution of 1:50.

### Note:

For research use only, not for use in diagnostic procedure.

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