

## IKK $\alpha$ / $\beta$ (Phospho-S180/181) polyclonal antibody

Catalog: AP0625

Host: Rabbit

Reactivity: Human

### BackGround:

The NF- $\kappa$ B/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory I $\kappa$ B proteins. Most agents that activate NF- $\kappa$ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of I $\kappa$ B. The key regulatory step in this pathway involves activation of a high molecular weight I $\kappa$ B kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. IKK $\alpha$  and IKK $\beta$  serve as the catalytic subunits of the kinase and IKK $\gamma$  serves as the regulatory subunit. Activation of IKK depends upon phosphorylation at Ser177 and Ser181 in the activation loop of IKK $\beta$  (Ser176 and Ser180 in IKK $\alpha$ ), which causes conformational changes, resulting in kinase activation.

### Product:

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

### Molecular Weight:

~ 75 kDa

### Swiss-Prot:

O15111/O14920

### 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: 1:2000~1:5000

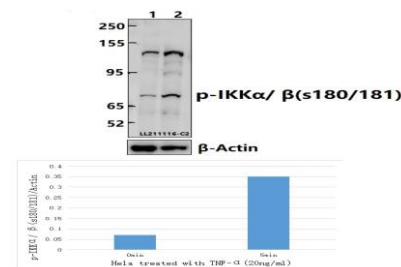
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

IKK $\alpha$ / $\beta$  (Phospho-S180/181) polyclonal antibody detects endogenous levels of IKK $\alpha$ / $\beta$  protein only when phosphorylated at Ser180/181.

### DATA:



Western blot (WB) analysis of IKK $\alpha$ / $\beta$  (Phospho-S180/181) polyclonal antibody at 1:2000 dilution

Lane1:HeLa whole cell lysate(40ug)

Lane2:HeLa treated with TNF- $\alpha$ (20 ng/ml,5 minutes) whole cell lysate(40ug)

### Note:

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

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