IKKα/β (Phospho-S180/181) polyclonal antibody

Catalog: BCP00942 Host: Rabbit Reactivity: Human

BackGround:

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

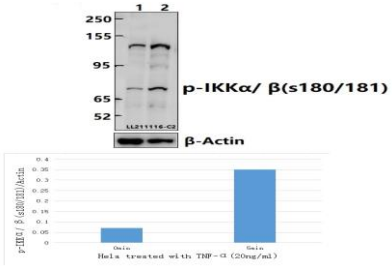
Storage&Stability:

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

Specificity:

IKKα/β (Phospho-S180/181) polyclonal antibody detects endogenous levels of IKKα/β protein only when phosphorylated at Ser180/181.

DATA:



Western blot (WB) analysis of IKKα/β (Phospho-S180/181) polyclonal antibody at 1:2000 dilution

Lane1:HeLa whole cell lysate(40ug)

Lane2:Hela treated with TNF-α(20 ng/ml,5 minutes) whole cell lysate(40ug)

Note:

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