

IKK α / β (Phospho-S180/181) polyclonal antibody

Catalog: AP0625

Host: Rabbit

Reactivity: Human

BackGround:

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

IF: 1:50~1:200

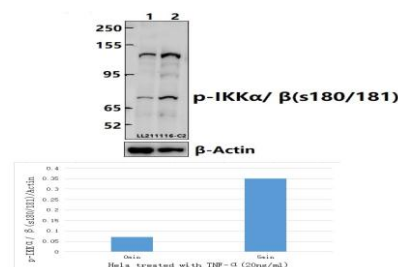
Storage&Stability:

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

Specificity:

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

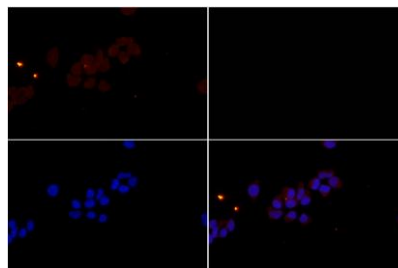
DATA:



Western blot (WB) analysis of IKK α / 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)



Immunofluorescence analysis of HEK293T cells using IKK α / β (Phospho-S180/181) pAb at dilution of 1:50 (40x lens).

Note:

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

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