

IKB- β (Y188) polyclonal antibody

Catalog: AP0636

Host: Rabbit

Reactivity: Human, Mouse, Rat

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. Activation occurs via phosphorylation of I κ B α at Ser32 and Ser36 followed by proteasome-mediated degradation that results in the release and nuclear translocation of active NF- κ B. I κ B α phosphorylation and resulting Rel-dependent transcription are activated by a highly diverse group of extracellular signals including inflammatory cytokines, growth factors, and chemokines. Kinases that phosphorylate I κ B at these activating sites have been identified. The regulation of I κ B β and I κ B ϵ is similar to that of I κ B α . However, the phosphorylation and ubiquitin-mediated degradation of these proteins occurs with much slower kinetics. IKK phosphorylation of I κ B β occurs at Ser19 and Ser23, while I κ B ϵ can be phosphorylated at Ser18 and Ser22.

Product:

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

Molecular Weight:

~ 52, 58 kDa

Swiss-Prot:

Q15653

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: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:100~1:500

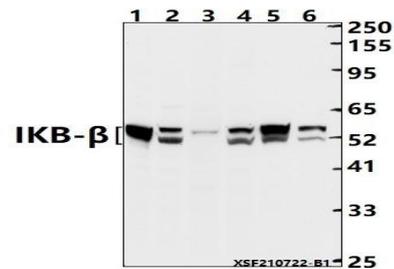
Storage&Stability:

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

Specificity:

IKB- β (Y188) polyclonal antibody detects endogenous levels of IKB- β protein.

DATA:



Western blot (WB) analysis of IKB- β (Y188) polyclonal antibody at 1:500 dilution

Lane1:EC9706 whole cell lysate(60ug)

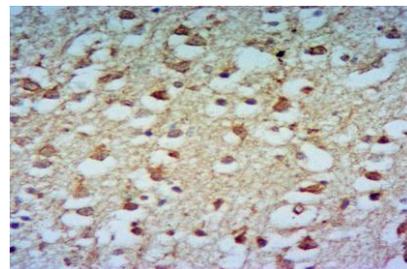
Lane2:HepG2 whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(60ug)

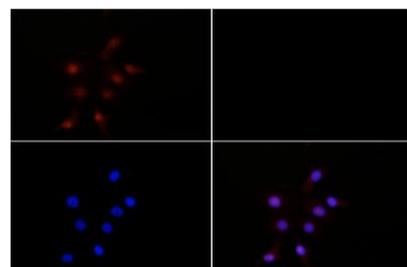
Lane4:HEK293T whole cell lysate(60ug)

Lane5:CT-26 whole cell lysate(40ug)

Lane6:U-87MG whole cell lysate(60ug)



Immunohistochemistry of paraffin-embedded Rat Brain using IKB- β (Y188) antibody at dilution of 1:50.



Immunofluorescence analysis of HepG2 cells using IKB- β (Y188) pAb at dilution of 1:200 (40x lens).

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PRODUCT DATA SHEET

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Note:

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

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