IkB-α (phospho-Y42) polyclonal antibody

Catalog: BCP00936 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Activation of NFκB requires that IκB be phosphorylated on specific serine residues, which results in targeted degradation of IκB. IκB kinase α (IKKα), previously designated CHUK, interacts with IκB-α and specifically phosphorylates IκB-α on the sites that trigger its degradation Serines 32 and 36. IKKα appears to be critical for NFκB activation in response to proinflammatory cytokines. Phosphorylation of IκB by IKKα is stimulated by the NFκB inducing kinase (NIK), which itself is a central regulator for NFκB activation in response to TNF and IL-1. The functional IKK complex contains three subunits, IKKα, IKKβ and IKKγ , and each appear to make essential contributions to IκB phosphorylation.

Product:

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

Molecular Weight:

~ 36 kDa

Swiss-Prot:

P25963

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

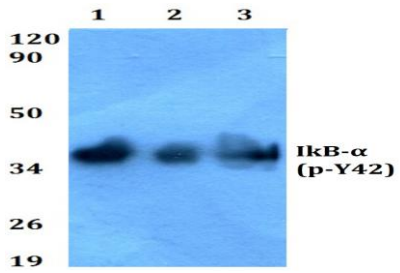
Storage&Stability:

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

Specificity:

p-IκB-α (Y42) polyclonal antibody detects endogenous levels of IκB-α protein only when phosphorylated at Tyr42.

DATA:



Western blot (WB) analysis of p-IkB-α (Y42) pAb at 1:500 dilution

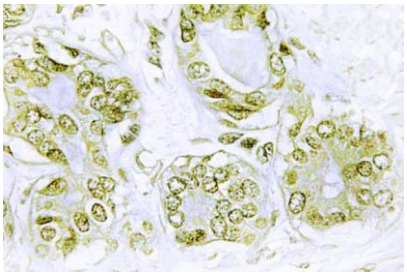
Lane1:The Brain tissue lysate of Mouse(40ug)

Lane2:SGC7901 whole cell lysate(40ug)

Lane3:HCT116 whole cell lysate(40ug)

Lane4:MCF-7 whole cell lysate(40ug)

Lane5:Beas-2B whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-IκB-α (Y42) pAb in paraffin-embedded human breast carcinoma tissue.

Note:

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

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