

## I $\kappa$ B- $\alpha$ (S32/S36) polyclonal antibody

Catalog: BCP00937

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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. Activation occurs via phosphorylation of I $\kappa$ B $\alpha$  at Ser32 and Ser36 followed by proteasome-mediated degradation that results in the release and nuclear translocation of active NF- $\kappa$ B. I $\kappa$ B $\alpha$  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 $\kappa$ B at these activating sites have been identified.

### 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

IF: 1:50~1:200

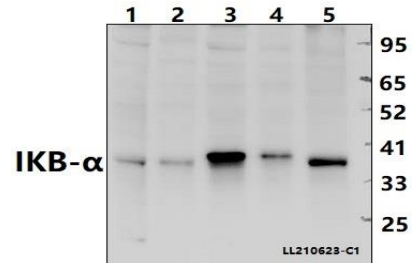
### Storage&Stability:

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

### Specificity:

I $\kappa$ B- $\alpha$  (S32/S36) polyclonal antibody detects endogenous levels of I $\kappa$ B- $\alpha$  protein.

### DATA:



Western blot (WB) analysis of I $\kappa$ B- $\alpha$  (S32/S36) polyclonal antibody at 1:5000 dilution

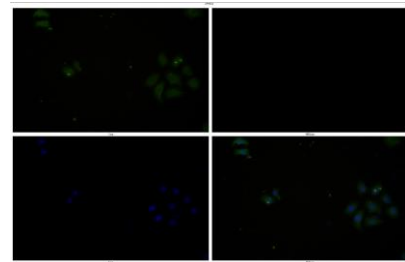
Lane1:CT-26 whole cell lysate(40ug)

Lane2:PC12 whole cell lysate(40ug)

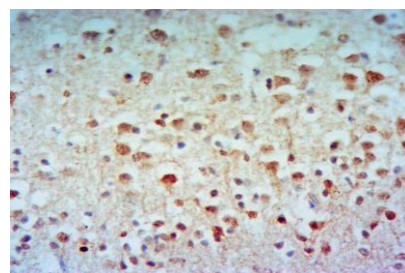
Lane3:A549 whole cell lysate(40ug)

Lane4:HepG2 whole cell lysate(40ug)

Lane5:Hela whole cell lysate(40ug)



Immunofluorescence analysis of A549 cells using I $\kappa$ B- $\alpha$  (S32/S36) antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Rat Brain using I $\kappa$ B- $\alpha$  (S32/S36) antibody at dilution of 1:50.

### Note:

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