

anti-p-IκB-α

Cat #: HM1242
Mouse monoclonal IgG
0.2 μg/μl, store at 4 °C

For research use only

BACKGROUND

NF-κB transcription factors are a family of structurally-related proteins that are involved in the control of a variety of cellular processes, such as growth, development, and the inflammatory response. The activity of NF-κB is tightly regulated by interaction with inhibitory IκB proteins. IκB family of proteins comprises four groups: IκB-α, IκB-β, IκB-γ, and IκB-ε. IκB proteins inactivate NFκB by trapping it in the cytoplasm. Phosphorylation of serine residues on the IκB proteins by kinases (IκBKA, or IκBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NFκB complex.

SPECIFICITY

This antibody specifically recognizes Ser-32 phosphorylated IκB-α of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining (including paraffin-embedded sections).

Molecular weight of p- IκB-α: 37 kDa.

Western blotting positive control: TNF α -treated HeLa cells.

IMMUNOGEN

A peptide containing phosphorylated Ser-32 of IκB-α of human origin

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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