bs-2513R

## [ Primary Antibody ]

# Bioss ANTIBODIES

## phospho-IKB alpha (Ser32 + Ser36) Rabbit pAb

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- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 4792 **SWISS:** P25963

Target: IKB alpha (Ser32 + Ser36)

**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human

IKB alpha around the phosphorylation site of Ser32/36: HD(p-

S)GLD(p-S)M.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**Background:** This gene encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The encoded

protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal

dominant disease. [provided by RefSeq, Aug 2011]

Applications: WB (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500)

Reactivity: Human, Rat

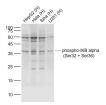
(predicted: Mouse, Rabbit, Pig, Sheep, Cow, Chicken,

Dog)

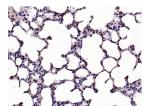
Predicted MW.: 35 kDa

Subcellular Cytoplasm , Nucleus

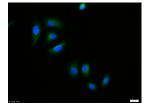
#### VALIDATION IMAGES -



Sample: Lane 1: HepG2 (Human) Cell Lysate at 30 ug Lane 2: Hela (Human) Cell Lysate at 30 ug Lane 3: Siha (Human) Cell Lysate at 30 ug Lane 4: U251 (Human) Cell Lysate at 30 ug Primary: Antiphospho-IKB alpha (Ser32 + Ser36) (bs-2513R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 37 kD



Paraformaldehyde-fixed, paraffin embedded (Rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-IKB alpha (Ser32 + Ser36)) Polyclonal Antibody, Unconjugated (bs-2513R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-IKB alpha (Ser32 + Ser36)) polyclonal Antibody, Unconjugated (bs-2513R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

### - SELECTED CITATIONS -

- [IF=13.3] Xianmei Piao. et al.(+)-Syringaresinol Ameliorate Lipopolysaccharide-Induced Acute Lung Injury by Targeting Md2.CHEMICAL ENGINEERING JOURNAL.2025 Jan; MOUSE.
- [IF=12.2] Zi-Yan Hu. et al. AHR activation relieves deoxynivalenol-induced disruption of porcine intestinal epithelial barrier functions. J HAZARD MATER. 2024 Dec;480:136095 WB; Porcine. 39395393
- [IF=10.753] Ya-Nan Gao. et al. Aflatoxin M1 and ochratoxin A induce a competitive endogenous RNA regulatory network of intestinal immunosuppression by whole-transcriptome analysis. SCI TOTAL ENVIRON. 2022 Sep;:158777 WB

;Human. 36115400

- [IF=10.383] Zhen Xu. et al. Green Biosynthesis of Silver Nanoparticles Using Aqueous Extracts of Ageratum Conyzoides and Their Anti-Inflammatory Effects. ACS APPL MATER INTER. 2023;XXXX(XXX):XXX-XXX WB; Mouse, Human. 36881383
- [IF=8.9] Xin-Ran Ge. et al. Phthalate drives splenic inflammatory response via activating HSP60/TLR4/NLRP3 signaling axis-dependent pyroptosis. ENVIRON POLLUT. 2024 Apr;346:123610 WB; Mouse. 38382728