bs-5512R **[Primary Antibody]**

Phospho-NFKB1 (Ser337) Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4790 **SWISS:** P19838

Target: Phospho-NFKB1 (Ser337)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human NF KappaB p105 around the phosphorylation site of Ser337: RK(p-S)DL.

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 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009].

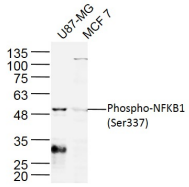
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)

Reactivity: Human, Mouse
(predicted: Rat, Pig, Cow)

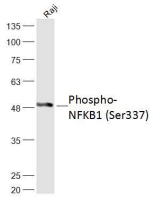
Predicted MW.: 48/105 kDa

Subcellular Location: Cytoplasm ,Nucleus

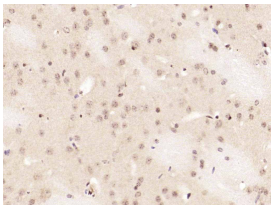
VALIDATION IMAGES



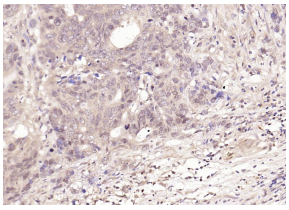
Sample: U87-MG (Human) Lysate at 30 ug MCF7 (Human) Lysate at 30 ug Primary: Anti- Phospho-NFKB1 (Ser337) (bs-5512R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48/105 kD Observed band size: 48/105 kD



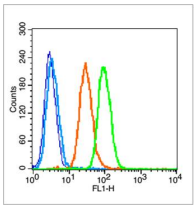
Sample: Raji(Human) Cell Lysate at 30 ug Primary: Anti-Phospho-NFKB1 (Ser337) (bs-5512R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48/105 kD Observed band size: 48kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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-NFKB1 (Ser337)) Polyclonal Antibody, Unconjugated (bs-5512R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human rectal carcinoma); 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-NFKB1 (Ser337)) Polyclonal Antibody, Unconjugated (bs-5512R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control (blue line): A549 (fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody (green line): Rabbit Anti-Phospho-NFKB1 (Ser337)antibody (bs-5512R),Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC,Dilution: 1μg /test.

SELECTED CITATIONS

- **[IF=7.419]** Houpan Song. et al. Traditional Chinese Medicine prescription Huang-Qi-Jian-Zhong-Tang ameliorates indomethacin-induced duodenal ulcers in rats by affecting NF-κB and STAT signaling pathways. BIOMED PHARMACOTHER. 2022 Dec;156:113866 IF ;Rat. 36228371
- **[IF=6.9]** Yaping Yu. et al. Dendrobium nobile active ingredient Dendrobin A against hepatocellular carcinoma via inhibiting nuclear factor kappa-B signaling. BIOMED PHARMACOTHER. 2024 Aug;177:117013 WB ;Mouse. 38901205
- **[IF=5.7]** Chengzhi Yuan. et al. Atractylenolide I Alleviates Indomethacin-Induced Gastric Ulcers in Rats by Inhibiting NLRP3 Inflammasome Activation. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX IF ;Rat. 38872428
- **[IF=5.6]** Qifang Sun. et al. Astragaloside IV ameliorates indomethacin-induced intestinal inflammation in rats through inhibiting the activation of NLRP3 inflammasome. INT IMMUNOPHARMACOL. 2024 Jun;135:112281 IF ;Rat. 38762925
- **[IF=5.162]** Lei Zhao. et al. Proteomic analysis reveals the molecular mechanism of Hippophae rhamnoides polysaccharide intervention in LPS-induced inflammation of IPEC-J2 cells in piglets. Int J Biol Macromol. 2020 Dec;164:3294 WB ;Pig. 32888998