

bs-5515R**[Primary Antibody]****phospho-IKB alpha (Tyr305) Rabbit pAb****BioSS**
ANTIBODIES

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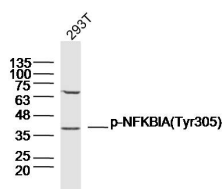
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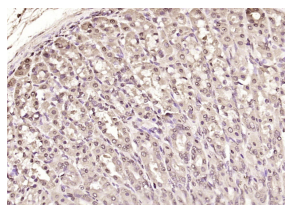
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 4792**SWISS:** P25963**Target:** phospho-IKB alpha (Tyr305)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human IKB alpha around the phosphorylation site of Tyr305: LP(p-Y)DD.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

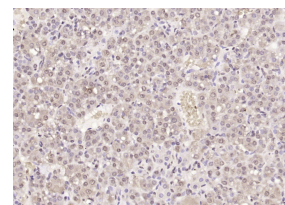
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Pig, Sheep, Cow)**Predicted MW.:** 35 kDa**Subcellular Location:** Cytoplasm ,Nucleus**VALIDATION IMAGES**

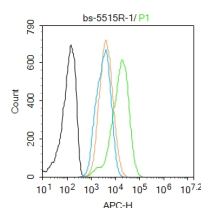
Sample: 293T Cell (Human) Lysate at 40 µg
 Primary: Anti-p-NFKBIA(Tyr305)(bs-5515R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 35 kD
 Observed band size: 38 kD



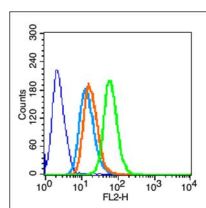
Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-IKB alpha (Tyr305)) Polyclonal Antibody, Unconjugated (bs-5515R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland); 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 (Tyr305)) Polyclonal Antibody, Unconjugated (bs-5515R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: Hela. Primary Antibody (green line): Rabbit Anti- phospho-IKB alpha (Tyr305) antibody (bs-5515R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody : Goat anti-rabbit IgG-



Blank control (blue line): Hela (fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C). Primary Antibody (green line): Rabbit Anti-phospho-IKB alpha (Tyr305)

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

antibody (bs-5515R), Dilution: 1µg /10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1µg /test.

— SELECTED CITATIONS —

- **[IF=6.1]** Xi Liao. et al. Mitigating intubation stress, mucosa injury, and inflammatory response in nasogastric tube intubation via suppression of NF-κB signaling pathway by engineering hydration lubrication coating. J MATER CHEM B. 2024 Oct;; WB ;Rabbit. 39474843
- **[IF=4.5]** Gan Rao. et al. Arsenic and polystyrene-nano plastics co-exposure induced testicular toxicity: Triggers oxidative stress and promotes apoptosis and inflammation in mice. ENVIRON TOXICOL. 2023 Sep;; WB ;Mouse. 37705229
- **[IF=4.7]** Ding Lingli. et al. Ginsenoside compound-K attenuates OVX-induced osteoporosis via the suppression of RANKL-induced osteoclastogenesis and oxidative stress. NAT PRODUCT BIOPROSP. 2023 Dec;13(1):1-12 WB ;Mouse. 37940733
- **[IF=4.42]** Yu, Haijie, et al. "Gypenoside Protects Cardiomyocytes against Ischemia-Reperfusion Injury via the Inhibition of Mitogen-Activated Protein Kinase Mediated Nuclear Factor Kappa B Pathway In Vitro and In Vivo." Frontiers in Pharmacology 7 (2016). WB ;="Rat". 27313532
- **[IF=2.7]** Zhao, Hongyu, et al. "Betulin attenuates kidney injury in septic rats through inhibiting TLR4/NF-κB signaling pathway." Life Sciences (2016). WB ;="Rat". 26656467