

phospho-IKB alpha (Tyr305) Rabbit pAb

Catalog Number: bs-5515R

Target Protein: phospho-IKB alpha (Tyr305)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Entrez Gene: 4792

Swiss Prot: P25963

Source: KLH conjugated Synthesised phosphopeptide derived from human IKB alpha around the phosphorylation site of Tyr305: LP(p-Y)DD.

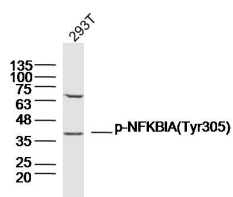
Purification: affinity purified by Protein A

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

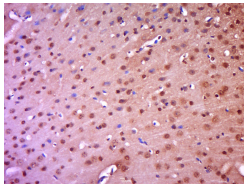
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

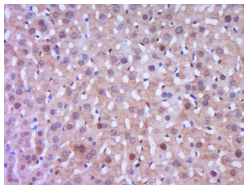
VALIDATION IMAGES



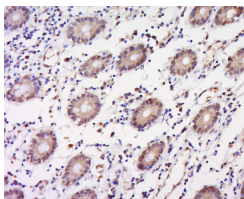
Sample: 293T Cell (Human) Lysate at 40 ug Primary: Anti-p-NFKBIA(Tyr305)(bs-5515R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kD Observed band size: 38 kD



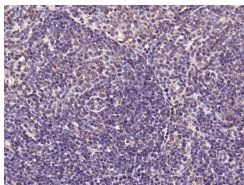
Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-IKB alpha (Tyr305)) Polyclonal Antibody, Unconjugated (bs-5515R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



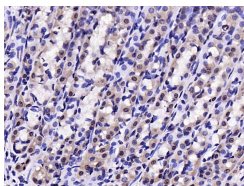
Paraformaldehyde-fixed, paraffin embedded (Mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p-IKB alpha (Tyr305)) Polyclonal Antibody, Unconjugated (bs-5515R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-NFKBIA Polyclonal Antibody, Unconjugated (bs-5515R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat lymphoid); 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 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.

PRODUCT SPECIFIC PUBLICATIONS

[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