

bs-1287R**[Primary Antibody]****IKB alpha Rabbit pAb**

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DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 4792**SWISS:** P25963**Target:** IKB alpha**Immunogen:** KLH conjugated synthetic peptide derived from human NFKBIA: 1-120/314.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

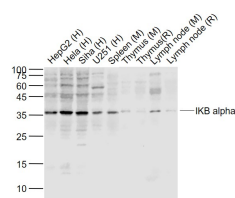
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

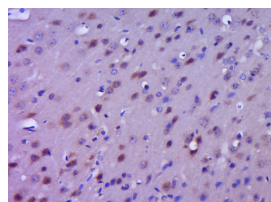
Applications: WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**ICC/IF** (1:100)**Reactivity:** Human, Mouse, Rat

Predicted
MW.: 36 kDa

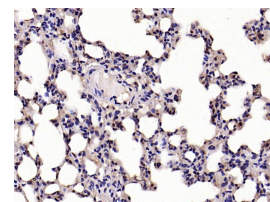
Subcellular
Location: Cytoplasm ,Nucleus

VALIDATION IMAGES

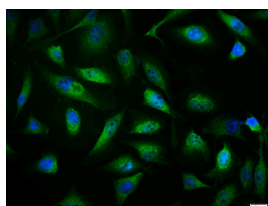
Sample: Lane 1: HepG2 (Human) Cell Lysate at 30 ug Lane 2: Hep2 (Human) Cell Lysate at 30 ug Lane 3: SiHa (Human) Cell Lysate at 30 ug Lane 4: U251 (Human) Cell Lysate at 30 ug Lane 5: Spleen (Mouse) Lysate at 40 ug Lane 6: Thymus (Mouse) Lysate at 40 ug Lane 7: Thymus (Rat) Lysate at 40 ug Lane 8: Lymph node (Mouse) Lysate at 40 ug Lane 9: Lymph node (Rat) Lysate at 40 ug Primary: Anti- $\text{IKB}\alpha$ (bs-1287R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 37 kD



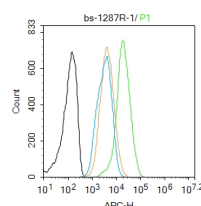
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IKB alpha) Polyclonal Antibody, Unconjugated (bs-1287R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



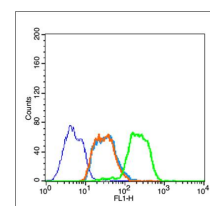
Paraformaldehyde-fixed, paraffin embedded (mouse lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IKB alpha) Polyclonal Antibody, Unconjugated (bs-1287R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: HeLa 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 (IKB



Blank control: HeLa. Primary Antibody (green line): Rabbit Anti- $\text{IKB}\alpha$ antibody (bs-1287R) Dilution: 1µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary



Blank control (blue line): Jurkat (blue). Primary Antibody (green line): Rabbit Anti- $\text{IKB}\alpha$ antibody (bs-1287R) Dilution: 1µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit

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

alpha) polyclonal Antibody, Unconjugated (bs-1287R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

Antibody : Goat anti-rabbit IgG-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.

IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=17.1]** Lei Liu. et al. Myricetin Oligomer Triggers Multi-Receptor Mediated Penetration and Autophagic Restoration of Blood-Brain Barrier for Ischemic Stroke Treatment. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 38533773
- **[IF=14.7]** Meng Wang. et al. Targeting toll-like receptor 7 as a therapeutic development strategy for systemic lupus erythematosus. ACTA PHARM SIN B. 2024 Aug;; WB ;Mouse,Human. 10.1016/j.apsb.2024.08.016
- **[IF=13.3]** Xianmei Piao. et al.(+)-Syringaresinol Ameliorate Lipopolysaccharide-Induced Acute Lung Injury by Targeting Md2.CHEMICAL ENGINEERING JOURNAL.2025 Jan ;MOUSE.
- **[IF=12.88]** Ma, Juan, et al. "A Crucial Role of Lateral Size for Graphene Oxide in Activating Macrophages and Stimulating Pro-inflammatory Responses in Cells and Animals." ACS Nano (2015). WB ;="Mouse". 26389709
- **[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