bs-8583R **[Primary Antibody]**

phospho-IKKi (Ser172) 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: 9641 **SWISS:** Q14164

Target: IKKi (Ser172)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human IKKi/IKKE around the phosphorylation site of Ser172: FV(p-S)VY.

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 member of the Ser/Thr protein kinase family (IkappaB kinase subfamily) phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. It is highly expressed in spleen followed by thymus, peripheral blood leukocytes, pancreas, placenta, and may play a special role in the immune response; it is weakly expressed in lung, kidney, prostate, ovary and colon. IKKi/IKKe is also overexpressed in breast cancers.

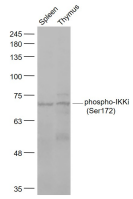
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

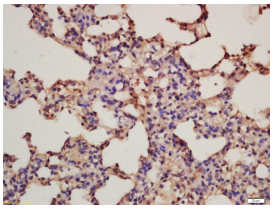
Predicted MW.: 80 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Spleen (Mouse) Lysate at 40 ug Thymus (Mouse) Lysate at 40 ug Primary: Anti- phospho-IKKi (Ser172) (bs-8583R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 80 kD Observed band size: 71 kD



Tissue/cell: rat lung tissue; 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-phospho-IKKi(Ser172) Polyclonal Antibody, Unconjugated(bs-8583R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=6.1]** Dongxue Song. et al. Purple Sweet Potato Polysaccharide Exerting an Anti-inflammatory Effect via a TLR-Mediated Pathway by Regulating Polarization and Inhibiting the Inflammasome Activation. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 38233194
- **[IF=5.1]** Lv Yifei. et al. Low-Shear Stress Promotes Atherosclerosis via Inducing Endothelial Cell Pyroptosis Mediated by IKKε/STAT1/NLRP3 Pathway. INFLAMMATION. 2024 Feb;:1-14 IF ;Mouse. 38315275