

**bs-3232R****[ Primary Antibody ]****phospho-IKK beta (Tyr199) Rabbit pAb****BioSS**  
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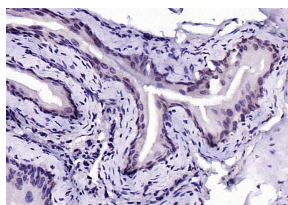
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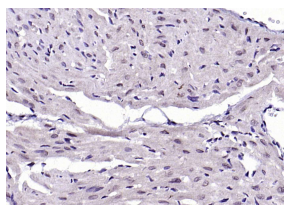
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 3551 <b>Target:</b> IKK beta (Tyr199) <b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human IKK beta around the phosphorylation site of Tyr199: QK(p-Y)TV. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> IKK beta (I-Kappa-B kinase-beta) is a member of the IKK complex which is composed of IKK alpha, IKK beta, IKK gamma and IKAP. Phosphorylation of I-Kappa-B on a serine residue by the IKK complex frees NF-kB from I-Kappa-B and marks it for degradation via ubiquitination. IKK beta has been shown to activate NF-kB and phosphorylate IKB alpha and beta. Phosphorylation of 2 sites at the activation loop of IKK beta is essential for activation of IKK by TNF and IL1. Once activated, IKK beta autophosphorylates which in turn decreases IKK activity and prevents prolonged activation of the inflammatory response. Additionally, IKK beta activity can also be regulated by MEKK1.	<b>Isotype:</b> IgG <b>SWISS:</b> O14920 <b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Dog, Horse) <b>Predicted MW.:</b> 87 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse bladder); 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-IKK beta (Tyr199) ) Polyclonal Antibody, Unconjugated (bs-3232R) 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 heart); 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-IKK beta (Tyr199) ) Polyclonal Antibody, Unconjugated (bs-3232R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=8.2]** Qinbing Xue. et al. Structural characterization and immune-enhancing effects of a novel polysaccharide extracted from Sargassum fusiforme. INT J BIOL MACROMOL. 2024 May;:132497 WB ;Mouse. 38763236
- **[IF=5.156]** Li, Muzhe. et al. Effects of adenovirus-mediated knockdown of IRAK4 on synovitis in the osteoarthritis rabbit model. Arthritis Res Ther. 2021 Dec;23(1):1-12 WB ;Rabbits. 34863246
- **[IF=3.923]** Chen X et al. Galectin - 3 exacerbates ox - LDL - mediated endothelial injury by inducing inflammation via

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- integrin  $\beta 1$  - RhoA - JNK signaling activation. (2018) J Cell Physiol. WB ;Human. 30536538
- **[IF=4]** Zengjia Zhou. et al. Lactiplantibacillus plantarum NMGL2 exopolysaccharide ameliorates DSS-induced IBD in mice mainly by regulation of intestinal tight junction and NF- $\kappa$ B p65 protein expression. FRONT MICROBIOL. 2024 Oct;15: WB ;Mouse. 39529667
  - **[IF=2.575]** Zhang H et al. Lentivirus-mediated knockdown of Fc $\gamma$ RI (CD64) attenuated lupus nephritis via inhibition of NF- $\kappa$ B regulating NLRP3 inflammasome activation in MRL/lpr mice. J Pharmacol Sci. 2018 Aug;137(4):342-349. WB ;Mouse. 30190171