

bs-4880R**[Primary Antibody]****IKK beta Rabbit pAb****BioSS**
ANTIBODIES

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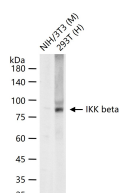
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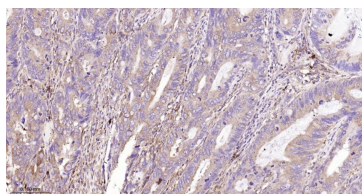
400-901-9800

— DATASHEET —

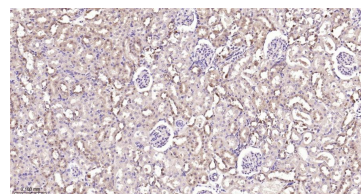
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100)
Clonality: Polyclonal		
GeneID: 3551	SWISS: O14920	
Target: IKK beta		
Immunogen: KLH conjugated synthetic peptide derived from human IKK beta: 141-240/756.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat
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.		Predicted MW.: 87 kDa
Background: 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.		Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with IKK beta polyclonal antibody, unconjugated (bs-4880R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with IKK beta Polyclonal Antibody, Unconjugated (bs-4880R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with IKK beta Polyclonal Antibody, Unconjugated (bs-4880R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=6.117]** Yuanyuan Xing, et al. Artemisia ordosica polysaccharide ameliorated LPS-induced growth inhibition and intestinal injury in broilers through enhancing immune-regulation and antioxidant capacity. J NUTR BIOCHEM. 2023 Feb;;109284 WB ;Chicken. 36828238
- **[IF=5.81]** Xu X. et al. Alhagi pseudalhagi Extract Exerts Protective Effects Against Intestinal Inflammation in Ulcerative Colitis by Affecting TLR-Dependent NF-κB Signaling Pathways.. Front Pharmacol. 2021 Nov;;12:764602-764602 WB ;Mouse. 34803708
- **[IF=5.162]** Liu S et al. Structural characterization of a novel polysaccharide from Panax notoginseng residue and its

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- immunomodulatory activity on bone marrow dendritic cells. *Int J Biol Macromol* . 2020 Oct 15;161:797-809. WB ;Mouse. 32553971
- **[IF=3.923]** Chen X et al. Galectin - 3 exacerbates ox - LDL - mediated endothelial injury by inducing inflammation via integrin β 1 - RhoA - JNK signaling activation. (2018) *J Cell Physiol*. WB ;Human. 30536538
 - **[IF=3.5]** Hidayat Ullah. et al. Sea conch (*Rapana venosa*) peptide hydrolysate regulates NF- κ B pathway and restores intestinal immune homeostasis in DSS-induced colitis mice. *FOOD SCI NUTR*. 2024 Sep;: WB ;Mouse. 10.1002/fsn3.4410