

bs-6353R**[Primary Antibody]****Bioss**
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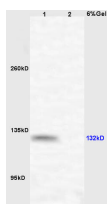
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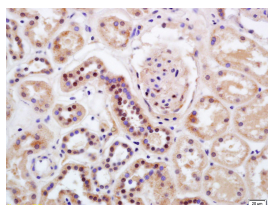
400-901-9800

HIPK2 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 28996	SWISS: Q9H2X6	
Target: HIPK2		
Immunogen: KLH conjugated synthetic peptide derived from human HIPK2: 401-500/1198.		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Chicken, Dog)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 131 kDa
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.		Subcellular Location: Cytoplasm ,Nucleus
Background: Protein kinase acting as a corepressor of several transcription factors, including SMAD1 and POU4F1/Brn3a and probably NK homeodomain transcription factors. Inhibits cell growth and promotes apoptosis. Involved in transcriptional activation of TP53 and TP73. Phosphorylation of TP53 may be mediated by a TP53-HIPK2-AXIN1 complex. In response to TGFβ, cooperates with DAXX to activate JNK. Phosphorylates the antiapoptotic factor CTBP1 and promotes its proteasomal degradation. In the Wnt/beta-catenin signaling pathway acts as an intermediate kinase between TAK1 and NLK to promote the proteasomal degradation of MYB (By similarity). Phosphorylates CBX4 upon DNA damage and promotes its E3 SUMO-protein ligase activity. PML, HIPK2 and FBXO3 may act synergically to activate p53/TP53-dependent transactivation.		

— VALIDATION IMAGES —

Sample: Muscle (Mouse) Lysate at 40 ug
 (Mouse) Lysate at 40 ug
 Primary: Anti-HIPK2 (bs-6353R) at 1/300 dilution
 Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution
 Predicted band size: 131 kD
 Observed band size: 132 kD



Tissue/cell: human kidney 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-HIPK2 Polyclonal Antibody, Unconjugated(bs-6353R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=6.792]** Hao Zhou. et al. The role of Hipk2-p53 pathways in arsenic-induced autistic behaviors: A translational study from rats to humans. Environ Pollut. 2020 Dec;267:115568 IHC ;Rat. 33254717
- **[IF=3.8]** Yu Li. et al. Activating transcription factor 4 drives the progression of diabetic cardiac fibrosis. ESC HEART FAIL. 2023 Jun; WB ;Mouse. 37290760

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