bs-6353R

[Primary Antibody]

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HIPK2 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 28996 SWISS: Q9H2X6

Target: HIPK2

Immunogen: KLH conjugated synthetic peptide derived from human HIPK2:

401-500/1198.

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: 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 TGFB, cooperates with DAXX to activate JNK. Phosphorylates the antiapoptotic factor CTBP1 and promotes its proteasomal degradation. In the Wnt/betacatenin 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.

Applications: WB (1:500-2000)

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

Reactivity: Human, Mouse

(predicted: Rat, Rabbit, Pig,

Chicken, Dog)

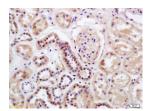
Predicted 131 kDa MW.:

Subcellular Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Muscle (Mouse) Lysate at 40 ug Kidney (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 paraffinembedded; 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