

bs-2925R**[Primary Antibody]****Klotho Rabbit pAb****Bioss**
ANTIBODIES

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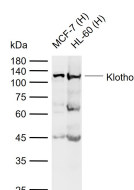
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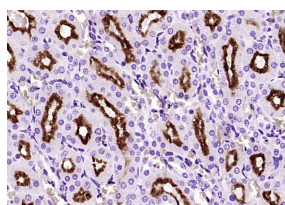
400-901-9800

— DATASHEET —

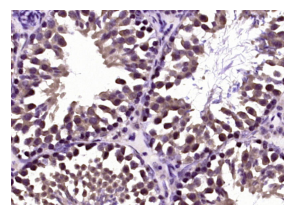
Host: Rabbit	Isotype: IgG	Applications: WB (1:200-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 9365	SWISS: Q9UEF7	IHC-F (1:100-500)
Target: Klotho		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human Klotho: 401-500/1012. < Extracellular >		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, Horse)
Purification: affinity purified by Protein A		Predicted MW.: 113 kDa
Concentration: 1mg/ml		Subcellular Location: Secreted ,Cell membrane
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: May have weak glycosidase activity towards glucuronylated steroids. However, it lacks essential active site Glu residues at positions 239 and 872, suggesting it may be inactive as a glycosidase in vivo. May be involved in the regulation of calcium and phosphorus homeostasis by inhibiting the synthesis of active vitamin D (By similarity). Essential factor for the specific interaction between FGF23 and FGFR1. The Klotho peptide generated by cleavage of the membrane-bound isoform may be an anti-aging circulating hormone which would extend life span by inhibiting insulin/IGF1 signaling.		

— VALIDATION IMAGES —

Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human HL-60 cell lysates Primary: Anti-Klotho (bs-2925R) at 1/200 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 113 kDa Observed band size: 130 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse kidney); 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 (Klotho) Polyclonal Antibody, Unconjugated (bs-2925R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); 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 (Klotho) Polyclonal Antibody, Unconjugated (bs-2925R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.458]** Amelia K. Fotheringham. et al. Kidney disease risk factors do not explain impacts of low dietary protein on kidney function and structure. Iscience. 2021 Oct;;103308 IF ;Mouse. 10.1016/j.isci.2021.103308
- **[IF=4.9]** Xiangjuan Guo. et al. Network Pharmacology and Transcriptomics to Explore the Pharmacological Mechanisms of 20(S)-Protopanaxatriol in the Treatment of Depression. INT J MOL SCI. 2024 Jul; 25(14): 7574 WB ;Mouse. 39062817
- **[IF=3.5]** Xinrui Men. et al.Klotho senses mechanical stimuli and modulates tension-induced osteogenesis..Bone.2025 Mar 19;195:117464. IHC ;Human,Mouse. 40118264

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

- **[IF=4.285]** Stenhouse Claire. et al. Effects of progesterone and interferon tau on ovine endometrial phosphate, calcium, and vitamin D signaling. Biol Reprod. 2022 Feb;; IHC ;Sheep (Ewe) . 10.1093/biolre/ioac027
- **[IF=3.699]** Xiao-Tan Zhang . et al. Baicalin reversal of DNA hypermethylation-associated Klotho suppression ameliorates renal injury in type 1 diabetic mouse model. Cell Cycle. 2020;19(23):3329-3347 WB ;Mouse. 33190590