

**bs-2318R****[ Primary Antibody ]****FGF21 Rabbit pAb****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

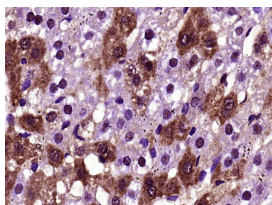
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 26291	<b>SWISS:</b> Q9NSA1	
<b>Target:</b> FGF21		<b>Reactivity:</b> Human, Rat (predicted: Mouse, Pig, Cow, Dog)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human FGF21: 29-120/208.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 20 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Secreted
<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> FGF21 is a growth factor that is a member of the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF21, in the presence of betaKlotho as a protein cofactor, signals through the FGFR 1c and 4 receptors and stimulates insulin independent glucose uptake by adipocytes.		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Rat liver); 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 (FGF21) Polyclonal Antibody, Unconjugated (bs-2318R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=19]** Rui Zhao. et al. Advancing Osteoporotic Bone Regeneration Through Tailored Tea Polyphenols Functionalized Micro-/Nano- Hydroxyapatite Bioceramics. ADV FUNCT MATER. 2024 May;;2401566 IHC ;Rat. 10.1002/adfm.202401566
- **[IF=2.86]** Dong, Liwei, et al. "Echinacoside Induces Apoptosis in Human SW480 Colorectal Cancer Cells by Induction of Oxidative DNA Damages." International Journal of Molecular Sciences 16.7 (2015): 14655-14668. WB ;="Human". 26132569
- **[IF=3.418]** Kim et al. Metformin Prevents Fatty Liver and Improves Balance of White/Brown Adipose in an Obesity Mouse Model by Inducing FGF21. (2016) Mediators.Inflamm. 2016:5813030 ICC ;Human, Mouse. 27057099
- **[IF=2.629]** Cao Zhanhong. et al. Protective Effects of Huangqi Shengmai Yin on Type 1 Diabetes-Induced

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

Cardiomyopathy by Improving Myocardial Lipid Metabolism. Evid-Based Compl Alt. 2021;2021:5590623 WB ;Mouse.  
34249132