

bs-23679R**[Primary Antibody]****FGF21 Rabbit pAb****BioSS**
ANTIBODIES

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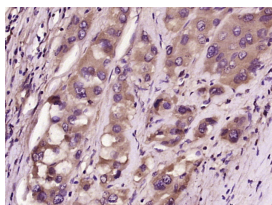
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DATASHEET

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 26291	SWISS: Q9NSA1	
Target: FGF21		Reactivity: Human (predicted: Mouse, Rat)
Immunogen: KLH conjugated synthetic peptide derived from human FGF21: 1-100/209.		
Purification: affinity purified by Protein A		Predicted MW.: 20 kDa
Concentration: 1mg/ml		Subcellular Location: Secreted
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: 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 (human liver carcinoma); 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-23679R) 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=6]** Dajin Pi. et al. Tanshinone IIA Inhibits the Endoplasmic Reticulum Stress-Induced Unfolded Protein Response by Activating the PPAR α /FGF21 Axis to Ameliorate Nonalcoholic Steatohepatitis. ANTIOXIDANTS-BASEL. 2024 Sep;13(9):1026 WB ;Mouse. 10.3390/antiox13091026
- **[IF=5.2]** Ka Wu. et al. Bioinformatics approach and experimental validation reveal the hepatoprotective effect of pachyman against acetaminophen-associated liver injury. AGING-US. 2023 Sep 15; 15(17): 8800-8811 IF ;Mouse. 37679038

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

- **[IF=3.598]** Xu X et al. Potential biomarker of fibroblast growth factor 21 in valproic acid-treated livers. Biofactors. 2019 May 23. IHC ;Mouse. 31120577
- **[IF=3.8]** Xinmeng Yuan. et al. Altered mitochondrial unfolded protein response and FGF21 secretion in MASLD progression and the effect of exercise intervention. SCIENTIFIC REPORTS. 2025 Jan 29;15(1):3686. Western blot ;. 39881157