bs-9762R **[Primary Antibody]**

FGF18 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8817 **SWISS:** O76093

Target: FGF18

Immunogen: KLH conjugated synthetic peptide derived from human FGF18: 110-207/207.

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: FGF18 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. It has been shown in vitro that this protein is able to induce neurite outgrowth in PC12 cells. Studies of the similar proteins in mouse and chick suggested that this protein is a pleiotropic growth factor that stimulates proliferation in a number of tissues, most notably the liver and small intestine. Knockout studies of the similar gene in mice implied the role of this protein in regulating proliferation and differentiation of midline cerebellar structures.

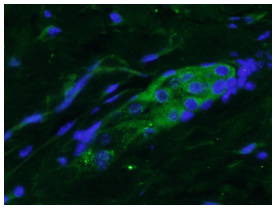
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:200-800)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, Sheep, Cow, Chicken, Goat)

Predicted MW.: 21 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Mouse skin); 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 (FGF18) Polyclonal Antibody, Unconjugated (bs-9762R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.

SELECTED CITATIONS

- **[IF=11.501]** Yang Y et al . Phosphorylation of Msx1 promotes cell proliferation through the Fgf9/18-MAPK signaling pathway during embryonic limb development. Nucleic Acids Res. 2020 Nov 18;48(20):11452-11467. WB ;. 33080014
- **[IF=8.3]** Cai Bolin. et al. MYH1G-AS is a chromatin-associated lncRNA that regulates skeletal muscle development in chicken. CELL MOL BIOL LETT. 2024 Dec;29(1):1-25 IF,WB ;Chicken. 38177995

- **[IF=6.384]** Anthony Estienne. et al. Endothelial cell-derived fibroblast growth factor-18 regulates ovarian function in sheep. 2022 Mar 21 IHC ;Sheep. 35315069
- **[IF=2.5]** Zachary D. Michel. et al. Infigratinib, a selective FGFR1-3 tyrosine kinase inhibitor, alters dentoalveolar development at high doses. DEV DYNAM. 2023 Jul;: IHC ;Rat. 37435833