bs-23982R **[Primary Antibody]**

GATA4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2626 **SWISS:** P43694

Target: GATA4

Immunogen: KLH conjugated synthetic peptide derived from human GATA4: 31-130/442.

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: GATA4 is a 46 kDa member of the GATA family of zinc finger containing transcription factors that is involved in the development of cardiac hypertrophy and remodeling, and plays a critical role in regulating basal and agonist or stress induced gene expression in cardiac and smooth muscle cell types. GATA4 contains a conserved MAPK phosphorylation site at serine 105 within the transcriptional activation domain. Serine 105 of GATA4 is phosphorylated in response to agonist stimulation through MEK 1 ERK1 / 2, and weakly through JNK or p38 MAPKs.

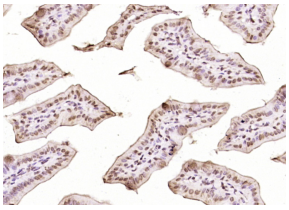
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Dog)

Predicted MW.: 49 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (mouse intestine tissue); 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 (GATA4) Polyclonal Antibody, Unconjugated (bs-23982R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=6]** Qi-Yue Zheng. et al. IL20RA Is the Key Factor Contributing to the Stronger Antioxidant Capacity of Rongchang Pig Sertoli Cells. ANTIOXIDANTS-BASEL. 2024 Dec;13(12):1545 IF ;Pig. 39765872
- **[IF=3.5]** Shi Haixia. et al. CircRNA profiling reveals the regulatory role of circPAN3 in Hezuo boars Sertoli cell growth. BMC GENOMICS. 2024 Dec;25(1):1-14 IF ;Pig. 39736570
- **[IF=3.471]** Yaying Wang. et al. Transcriptome sequencing reveals differences between leydig cells and sertoli cells of yak.. FRONT VET SCI. 2022 Aug;9:960250-960250 IF ;Bovine. 36090173

- **[IF=2.8]** Wen Yu Zhang. et al. AMPK regulates immature boar Sertoli cell proliferation through affecting CDK4/Cyclin D3 pathway and mitochondrial function. THERIOGENOLOGY. 2024 Aug;224:9 IF ;Pig. 38714024
- **[IF=2.3]** Shiman Guo. et al. The effects of low ambient temperature on steroidogenesis and mitochondrial functions in the testes of wild ground squirrels (Spermophilus dauricus). COMP BIOCHEM PHYS A. 2024 Jan;:111585 IHC ;Squirrels. 38228267