bs-1778R

[Primary Antibody]

GATA4 Rabbit pAb



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DATASHEET		400-901-9800
Host: Rabbit	lsotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human.
GenelD: 2626	SWISS: P43694	Rat, Rabbit, Pig, Cow,
Target: GATA4		Chicken, Dog)
Immunogen: KLH conjugated synthetic peptide derived from human GATA-4: 261-360/442.		Predicted MW.: ^{49 kDa}
Purification: affinity purified by Protein A		Subcellular Location: ^{Nucleus}
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.		a ne 14 EK

- VALIDATION IMAGES -



Sample: Stomach (Mouse) Lysate at 40 ug Primary: Anti-GATA4 (bs-1778R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 49 kD

- SELECTED CITATIONS -

• [IF=5.108] Yang Z et al.

A pilot study on polycystic ovarian syndrome caused by neonatal exposure to tributyltin and bisphenol A in rats. Chemosphere. 2019 Sep;231:151-160. WB ;Rat. 31129395

- [IF=3.571] Wu P et al. Fluoride induces autoimmune orchitis involved with enhanced IL-17A secretion in mice testis. J Agric Food Chem. 2019 Dec 4;67(48):13333-13343. IF ;Mouse. 31703480
- [IF=3.427] Gao et al. Common expression of stemness molecular markers and early cardiac transcription factors in human Wharton's jelly-derived mesenchymal stem cells and embryonic stem cells. (2013) Cell.Transplan. 22:1883-900 ICC ;Human. 23394400
- [IF=2.649] Kim CW et al. Effects of cigarette smoke components on myocardial differentiation of mouse embryonic stem cells. Environ Toxicol. 2019 Sep 10. WB ;MOUSE. 31507073

• [IF=3.143] Sung-Moo Lee. et al. Effect of the phenylpyrrole fungicide fludioxonil on cell proliferation and cardiac differentiation in mouse embryonic stem cells. Reprod Toxicol. 2021 Sep;104:76 WB ;Mouse. 34280493