

bs-20095R**[Primary Antibody]****phospho-FoxO1 (Ser319) Rabbit pAb****Bioss**
ANTIBODIES

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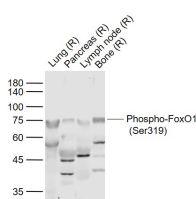
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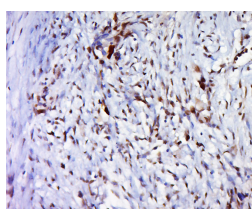
400-901-9800

— DATASHEET —

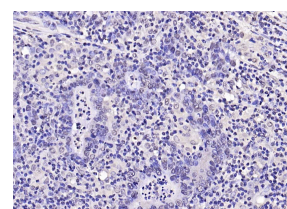
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 2308	SWISS: Q12778	IHC-F (1:100-500)
Target: FoxO1 (Ser319)		IF (1:100-500)
Immunogen: KLH conjugated synthesised phosphopeptide derived from human FoxO1 around the phosphorylation site of Ser319: TS(p-S)NA.		Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Chicken, Dog, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 72 kDa
Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cytoplasm ,Nucleus
Background: This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq].		

— VALIDATION IMAGES —

Sample: Lane 1: Lung (Rat) Lysate at 40 ug Lane 2: Pancreas (Rat) Lysate at 40 ug Lane 3: Lymph node (Rat) Lysate at 40 ug Lane 4: Bone (Rat) Lysate at 40 ug Primary: Anti-Phospho-FoxO1 (Ser319) (bs-20095R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 78 kD Observed band size: 75 kD



Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-FoxO1(Ser319) Polyclonal Antibody, Unconjugated (bs-20095R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (human gastric 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 (Phospho-FoxO1 (Ser319)) Polyclonal Antibody, Unconjugated (bs-20095R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=4.803]** Liqin An. et al. Bone Morphogenetic Protein 4 (BMP4) promotes hepatic glycogen accumulation and reduces glucose level in hepatocytes through mTORC2 signaling pathway. Genes Dis. 2020 Nov;: WB,IHC ;Mouse. 10.1016/j.gendis.2020.11.004
- **[IF=3.598]** Chang L et al. Gypenoside A protects ischemia/reperfusion injuries by suppressing miR - 143 - 3p level via the activation of AMPK/Foxo1 pathway. Biofactors. 2019 Dec 30. WB ;Rat. 31889343
- **[IF=3.1]** Li Chen. et al. Gandouling alleviates nerve injury through PI3K/Akt/FoxO1 and Sirt1/FoxO1 signaling pathway to inhibit autophagy in the rats model of Wilson's disease. BRAIN BEHAV. 2023 Nov;:e3325 WB ;Rat. 38010098
- **[IF=1.918]** Jisheng Wang. et al. Effects of Diabetes Mellitus on Sperm Quality in the Db/Db Mouse Model and the Role of

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

the FoxO1 Pathway. Med Sci Monitor. 2021; 27: e928232-1-e928232-12 WB ;Mouse. 33589581