

**bs-9439R****[ Primary Antibody ]****FOXO1A Rabbit pAb**

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**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 2308**SWISS:** Q12778**Target:** FOXO1A**Immunogen:** KLH conjugated synthetic peptide derived from human FKHR: 165-270/655.**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.

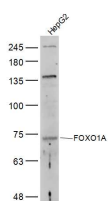
**Background:** This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq].

**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:50-200)**Flow-Cyt** (2ug/Test)

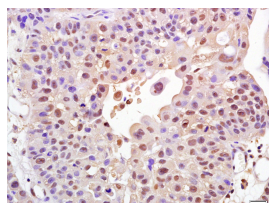
**Reactivity:** Human, Rat  
(predicted: Mouse, Rabbit, Pig, Cow, Chicken, Dog, Horse)

**Predicted MW.:** 72 kDa

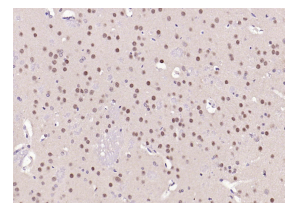
**Subcellular Location:** Cytoplasm ,Nucleus

**VALIDATION IMAGES**

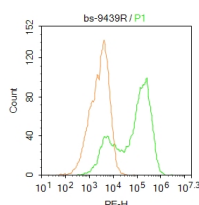
Sample: HepG2(Human) Cell Lysate at 30 ug  
Primary: Anti-FOXO1A (bs-9439R) at 1/300  
dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 72 kD Observed band size: 72 kD



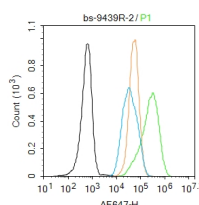
Tissue/cell: human bladder carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-FOXO1A Polyclonal Antibody, Unconjugated(bs-9439R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat brain); 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 (FOXO1A) Polyclonal Antibody, Unconjugated (bs-9439R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-FOXO1A antibody (bs-9439R) Dilution: 1µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for



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

20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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## — SELECTED CITATIONS —

- **[IF=8.025]** Long Chen. et al. Chondroitin sulfate stimulates the secretion of H2S by Desulfovibrio to improve insulin sensitivity in NAFLD mice. INT J BIOL MACROMOL. 2022 Jul;213:631 WB ;Mouse. 35667460
- **[IF=5.878]** Xueying Zhang. et al. Scutellarin ameliorates hepatic lipid accumulation by enhancing autophagy and suppressing IRE1α/XBP1 pathway. 2021 Dec 02 WB ;Mouse ,Human. 34859513
- **[IF=2.81]** Kinoshita et al. Associations between Forkhead Box O1 (FoxO1) Expression and Indicators of Hepatic Glucose Production in Transition Dairy Cows Supplemented with Dietary Nicotinic Acid. (2016) PLoS.On. 11:e0146670 WB ;Bovine. 26800252
- **[IF=0]** Ahmed et al. Differential expression of mannose-6-phosphate receptor regulates T cell contraction. (2015) J.Leukoc.Biol. 98:313-8 Other ;Mouse. 25990242