bs-9439R

[Primary Antibody]

FOXO1A 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: 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** (1:100-500) Flow-Cyt (2ug/Test)

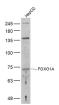
Reactivity: Human, Rat

(predicted: Mouse, Rabbit, Pig, Cow, Chicken, Dog,

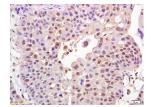
Predicted 72 kDa MW.:

Subcellular Cytoplasm , Nucleus

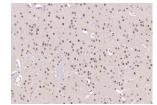
VALIDATION IMAGES



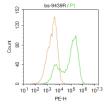
Sample: HepG2(Human) Cell Lysate at 30 ug Primary: Anti-FOXO1A (bs-9439R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 72 kD Observed band size: 72 kD



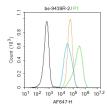
Tissue/cell: human bladder carcinoma; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ($0.01\mbox{M}, \mbox{pH}\,6.0$), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 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 /10^6 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



Blank control: HepG2. Primary Antibody (green line): Rabbit Anti-FOXO1A antibody (bs-9439R) Dilution: 1µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: $1\mu g$ /test. Protocol The cells were fixed with 4%PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for

20 min at-20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at 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=5.9] Qiuyu Zhang. et al. PD-1 induces autophagy via the PI3K/AKT/FoxO1 pathway to promote infectious bursal disease virus replication. FRONT IMMUNOL. 2025 Jul;16:1585012 WB ;Chicken. 40692791
- [IF=4.2] Xuelu Liu. et al. Melatonin protects chicken follicular granulosa cells against oxidative damage-induced apoptosis via inhibiting FOXO1 signaling pathway. POULTRY SCI. 2025 Sep;104:105472 WB; Chicken. 40582162
- [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