

## Phospho-FoxO1 (Ser256) Rabbit pAb

Catalog Number: bs-3142R

Target Protein: Phospho-FoxO1 (Ser256)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg /Test), ELISA (1:5000-10000)

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

Predicted MW: 72 kDa

Entrez Gene: 2308

Swiss Prot: Q12778

Source: KLH conjugated Synthesised phosphopeptide derived from human FOXO1 around the phosphorylation site of Ser256: AA(p-S)MD.

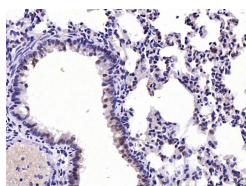
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

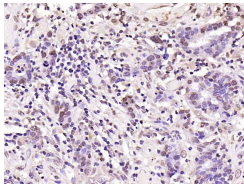
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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].

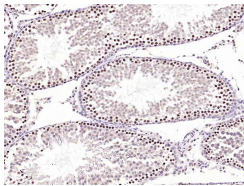
### VALIDATION IMAGES



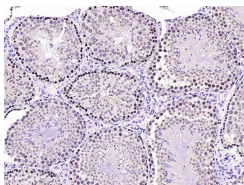
Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-FoxO1 (Ser256)) Polyclonal Antibody, Unconjugated (bs-3142R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



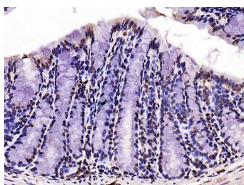
Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-FoxO1 (Ser256)) Polyclonal Antibody, Unconjugated (bs-3142R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



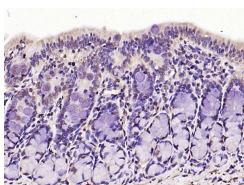
Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-FoxO1 (Ser256)) Polyclonal Antibody, Unconjugated (bs-3142R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse testis); 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 (Ser256)) Polyclonal Antibody, Unconjugated (bs-3142R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse colon); 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 (Ser256)) Polyclonal Antibody, Unconjugated (bs-3142R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat colon); 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 (Ser256)) Polyclonal Antibody, Unconjugated (bs-3142R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=6.513] Rodrigo M. Pereira. et al. FOXO1 is downregulated in obese mice subjected to short-term strength training. J CELL PHYSIOL. 2022 Sep;; IHC ; Mouse . 36125908

[IF=6.7] Ling-Xiao Zhao. et al. Osmundacetone ameliorates Alzheimer's-like pathologies by inhibiting  $\beta$ -amyloid fibrillation, oxidative damage and neuroinflammation in APP/PS1 transgenic mice. PHYTOMEDICINE. 2024 Sep;; 156091 WB ; Mouse . 39332101

[IF=6.014] Lucca LE et al. TIGIT signaling restores suppressor function of Th1 Tregs. JCI Insight. 2019 Feb 7;4(3). pii: 124427. FCM ; Human . 30728325

[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=2.16] Li, Xinxin, et al. "Long-term thermal manipulation in the late incubation period can inhibit breast muscle development by activating endoplasmic reticulum stress in duck (Anas platyrhynchos domestica)." Journal of thermal biology 70.Pt B (2017): 37. WB ; ="Other Species" . 29108556