

bs-1548R**[Primary Antibody]****FOXO3A Rabbit pAb****BioSS**
ANTIBODIES

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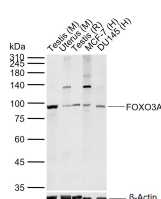
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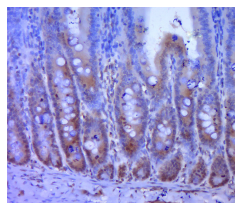
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 2309	SWISS: O43524	IHC-F (1:100-500)
Target: FOXO3A		IF (1:100-500)
		ELISA (1:5000-10000)
Immunogen: KLH conjugated synthetic peptide derived from human FOXO3A: 201-300/673.		Reactivity: Human, Mouse, Rat
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.		Predicted MW.: 74 kDa
Background: This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]		Subcellular Location: Cytoplasm ,Nucleus

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Testis tissue lysates
 Lane 2: Mouse Uterus tissue lysates
 Lane 3: Rat Testis tissue lysates
 Lane 4: Human MCF-7 cell lysates
 Lane 5: Human DU145 cell lysates
 Primary: Anti-FOXO3A (bs-1548R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 74 kDa
 Observed band size: 90 kDa



Paraformaldehyde-fixed, paraffin embedded (Rat rectum tissue); 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 (FOXO3A) Polyclonal Antibody, Unconjugated (bs-1548R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

— SELECTED CITATIONS —

- **[IF=7.634]** Orozco-Aguilar Josué. et al. Ursodeoxycholic acid induces sarcopenia associated with decreased protein synthesis and autophagic flux. BIOL RES. 2023 Dec;56(1):1-19 WB ;Mouse. 37237400
- **[IF=7.971]** He J et al. SLC34A2 Simultaneously Promotes Papillary Thyroid Carcinoma Growth and Invasion Through Distinct Mechanisms. Oncogene. 2020 Mar;39(13):2658-2675. WB ;human. 32005974
- **[IF=6.551]** Wei J et al. Endosulfan induces cardiotoxicity through apoptosis via unbalance of pro-survival and mitochondrial-mediated apoptotic pathways. Sci Total Environ . 2020 Jul 20;727:138790. WB ;human. 32344260
- **[IF=6.9]** Lichun Qiao. et al. T-2 toxin induces cardiac fibrosis by causing metabolic disorders and up-regulating Sirt3/FoxO3α/MnSOD signaling pathway-mediated oxidative stress. J ENVIRON SCI-CHINA. 2024 Mar;; WB ;Rat.

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

10.1016/j.jes.2024.03.001

- **[IF=6.1]** Ruixue Zhang. et al. The miR-15b-5p/miR-379-3p-FOXO axis regulates cell cycle and apoptosis in scleral remodeling during experimental myopia. J TRANSL MED. 2024; 22: 710 WB ;Guinea pig. 39080755