bs-3145R **[Primary Antibody]**

phospho-FOXO4 (Ser262) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4303 **SWISS:** P98177

Target: FOXO4 (Ser262)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human FOXO4 around the phosphorylation site of Ser262: SS(p-S)NA.

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 encodes a member of the O class of winged helix/forkhead transcription factor family. Proteins encoded by this class are regulated by factors involved in growth and differentiation indicating they play a role in these processes. A translocation involving this gene on chromosome X and the homolog of the Drosophila trithorax gene, encoding a DNA binding protein, located on chromosome 11 is associated with leukemia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]

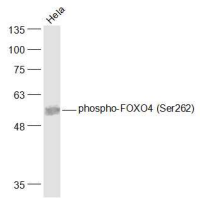
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

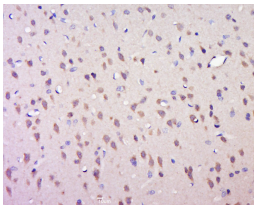
Predicted MW.: 56 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Hela(Human) Cell Lysate at 30 ug Primary: Anti-phospho-FOXO4 (Ser262) (bs-3145R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD



Tissue/cell: Rat brain tissue; 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-AFX Polyclonal Antibody, Unconjugated(bs-3145R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=2.8]** Simushi Liswaniso. et al.Regulation of Smad2/3 Nuclear Exclusion by Follicle-Stimulating Hormone (FSH) in Chicken Follicular Granulosa Cells and Its Effect on FOXO3/4.GENES. Western Blot ;Chicken. 10.3390/genes16030283
- **[IF=2.8]** Jinghua Zhao. et al. The Effect of FSH-Induced Nuclear Exclusion of FOXO3/4 on Granulosa Cell Proliferation and Apoptosis of Hen Ovarian Follicles. GENES-BASEL. 2025 May;16(5):500 WB ;Hen. 40428322
- **[IF=0]** Jinghua Zhao. et al.The Effect of FSH-Induced Nuclear Exclusion of FOXO3/4 on Granulosa Cell Proliferation and Apoptosis of Hen Ovarian Follicles.Preprints. Cell proliferation and apoptosis ;Chicken.

10.20944/preprints202503.1878.v1