BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Forkhead box protein O3 FOXO3 Antibody

Catalog Number: A00252

About FOXO3

FOXO3 is a ubiquitously expressed 75 kDa protein member of a subfamily of the forkhead homeotic gene family of transcription factors and shuttles between the cytoplasm and nucleus. FOXO transcription factors are key players of cell fate decisions, metabolism, stress resistance, tumor suppression and are regulated by growth factors, oxidative stress or nutrient deprivation. FOXO3 is involved with mTOR in the regulation of autophagy in skeletal muscle, and activates protein degradation in atrophying muscle cells. FOXO3 has also been implicated in several neurodegenerative disorders including aging, neuromuscular disease, systemic lupus erythmatosus, stroke and diabetic complications.

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Overview

Product Name	Anti-Forkhead box protein O3 FOXO3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Forkhead box protein O3 FOXO3 Antibody (Catalog # A00252). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	FOXO3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	FOXO3 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O43524

Technical Details

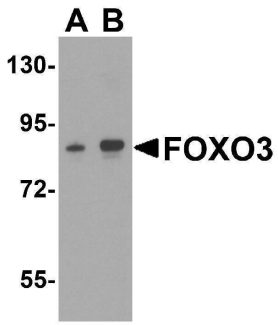
Immunogen	FOXO3 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human FOXO3. The immunogen is located within amino acids 40 - 90 of FOXO3.
Predicted Reactive Species	Chicken
Isotype	IgG

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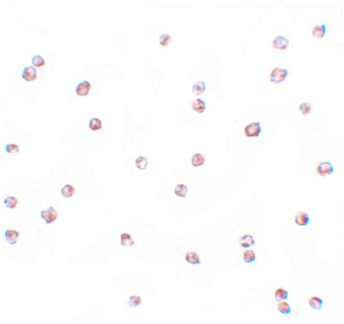
Form	Liquid
Concentration	1 mg/mL
Purification	FOXO3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	FOXO3 antibody can be used for detection of FOXO3 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 4 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples and Immunocytochemistry in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-Forkhead box protein O3 FOXO3 Antibody (A00252) Images



Western blot analysis of FOXO3 in A-20 cell lysate with FOXO3 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunocytochemistry of FOXO3 in A-20 cells with FOXO3 antibody at 4 ug/mL.

Anti-Forkhead box protein O3 FOXO3 Antibody

For Research Use Only. Not for use in diagnostic procedures.