

FOXO3 Antibody

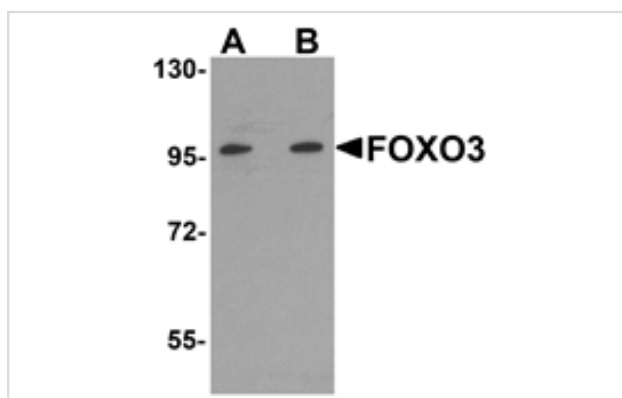
Catalog No: #25138

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Description

Product Name	FOXO3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against an 18 amino acid peptide near the amino terminus of human FOXO3.
Target Name	FOXO3
Other Names	Forkhead box O3, FOXO2, FOXO3A, FKHRL1, FKHRL1P2
Accession No.	Swiss-Prot:O43524Gene ID:2309
Uniprot	O43524
GeneID	2309;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

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.

Background

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.

Note: This product is for in vitro research use only