

## FOXO3 Rabbit monoclonal antibody

Catalog: MB66408

Host: Rabbit

Reactivity: Human

### BackGround:

Transcriptional activator that recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3' and regulates different processes, such as apoptosis and autophagy.

Acts as a positive regulator of autophagy in skeletal muscle: in starved cells, enters the nucleus following dephosphorylation and binds the promoters of autophagy genes, such as GABARAP1L, MAP1LC3B and ATG12, thereby activating their expression, resulting in proteolysis of skeletal muscle proteins (By similarity).

Triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress.

Participates in post-transcriptional regulation of MYC: following phosphorylation by MAPKAPK5, promotes induction of miR-34b and miR-34c expression, 2 post-transcriptional regulators of MYC that bind to the 3'UTR of MYC transcript and prevent its translation.

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Also acts as a key regulator of regulatory T-cells (Treg) differentiation by activating expression of FOXP3 .

### Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

### Molecular Weight:

~ 90 kDa

### Swiss-Prot:

O43524

### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

### Applications:

WB (1/500 - 1/1000)

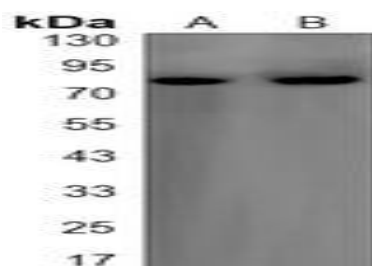
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of FOXO3 protein.

### DATA:



Western blot analysis of FOXO3 expression in HeLa (A), A549 (B) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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