www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

FOXO3

Reactivity: Human Mouse

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:90kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human FOXO3

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

kq

Synonym:

AF6q21;FKHRL1;FKHRL1P2;FOXO2;FOXO3A;Forkhead box protein O3 antibody;AF6q21 protein antibody;Forkhead in rhabdomyosarcoma-like 1 antibody;

Catalog #:A0102

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:2309

Isotype: IgG

Swiss Prot:Q9WVH4

Purity: Affinity purification

For research use only.

Background:

Forkhead box O-class (FOXO) transcription factors are mammalian homologue of DAF-16, a known lifespan regulator of Caenorhabditis elegans. FOXO transcription factors, such as FOXO1, FOXO3a, and FOXO4, have been linked to the regulation of cell cycle, apoptosis, DNA repair, oxidative stress, and metabolism. FOXO proteins are proposed to be dual regulated by Akt-mediated phosphorylation and Skp2-mediated ubiquitination, which are usually initiated by growth factors and cytokines. FOXO proteins are also activated by stress, which induces gene expression that contributes to cell cycle arrest, implicating FOXO proteins as tumor suppressors. Specifically, FOXO3a (FKHR-L1) is a transcriptional activator for apoptosis in the absence of survival factors, such as in neural cell death triggered by oxidative stress. In the presence of survival factors like IGF-1, AKT1/PKB phosphorylates on Thr-32 and Ser-253. FOXO3a is inactivated when phosphorylated by AKT1 on Thr-32 and Ser-253.

To place an order, please Click HERE.

© 2015 NeoScientific