

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Phospho-FOXO3A (Ser315)



Numéro de catalogue: 28755-1-AP

3 Publications

## Informations de base

Numéro de catalogue:

28755-1-AP

Taille:

100ul, Concentration: 240 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

BC021224

Identification du gène (NCBI):

2309

Nom complet:

forkhead box O3

MW calculé

673 aa, 71 kDa

MW observés:

80-90 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

## Applications

Applications testées:

WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat

Contrôles positifs:

WB : cellules PC-3 traitées à la calyculine A,

## Informations générales

In mammalian cells, FoxO factors act as potent transcriptional activators that upregulate the expression of programs of genes involved in stress resistance, cell cycle arrest, differentiation, apoptosis, autophagy, and metabolism. FOXO3 has a key role in the maintenance of adult neural and hematopoietic stem cells. It also associates with extreme longevity in humans and regulates the homeostasis of adult stem cell pools in mammals, which may contribute to longevity. Phosphorylation inhibits FOXO3 nuclear translocation that is essential for its regulation and function. The calculated molecular weight of FOXO3 is 71 kDa, but some experiments analysis using a FOXO3a specific antibody showed the expression of a 90 kDa full length FOXO3a protein (Full) and a 40 kDa processed FOXO3a product (Short). 90 kDa FOXO3a protein is a phosphorylated via activation of PI3K (phosphatidylinositol 3-kinase) and Akt after INS stimulation, and translocate from the nucleus to the cytoplasm. (PMID: 19427386). IKBKE directly activates Akt and that Akt inhibits FOXO3a by phosphorylation of Ser32, Ser253 and Ser315.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Jing Zhang	34655600	Exp Cell Res	
Xiaotong Wang	37353804	J Transl Med	WB
Aiping Wang	36866542	Front Biosci (Landmark Ed)	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

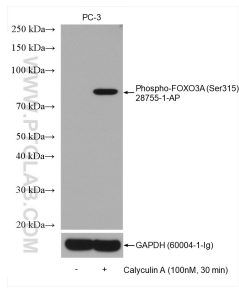
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## Données de validation sélectionnées



Non-treated PC-3 and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 28755-1-AP (Phospho-FOXO3A (Ser315) antibody) at dilution of 1:1000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.