

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-FOXO3A



Numéro de catalogue: 10849-1-AP

Phare

74 Publications

## Informations de base

Numéro de catalogue: 10849-1-AP	Numéro d'acquisition GenBank: BC021224	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 800 µg/ml by Nanodrop;	Identification du gène (NCBI): 2309	Dilutions recommandées: WB 1:2000-1:10000 IHC 1:50-1:200 IF 1:10-1:100
Hôte: Lapin	Nom complet: forkhead box O3	
Isotype: IgG	MW calculé: 673 aa, 71 kDa	
Immunogen Catalog Number: AG1289	MW observés: 72-97 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

CoIP, IF, IHC, IP, WB

### Spécificité de l'espèce:

Humain, rat, souris

### Espèces citées:

bovin, Humain, porc, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

WB : cellules HEK-293, cellules HeLa, cellules Jurkat, cellules MCF-7, cellules Neuro-2a, cellules PC-3

IHC : tissu de cancer du sein humain, tissu de cancer de la prostate humain

IF : cellules HeLa,

## 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 fulllength 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)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Yong-Li Zhang	34679694	Antioxidants (Basel)	WB
Yitong Zhao	36156740	J Bone Miner Metab	WB,IHC
Xian Ye	32946432	Med Sci Monit	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.

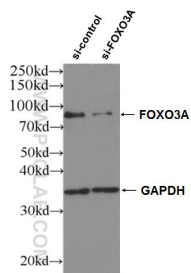
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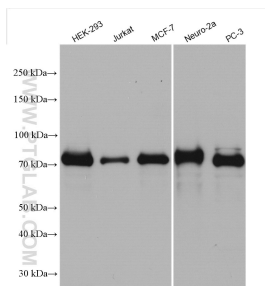
E: proteintech@ptglab.com  
W: ptglab.com

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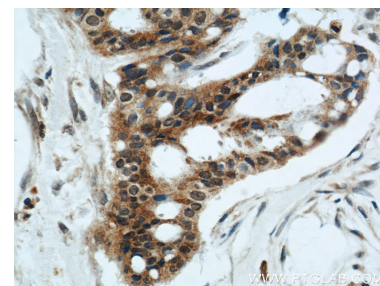
## Données de validation sélectionnées



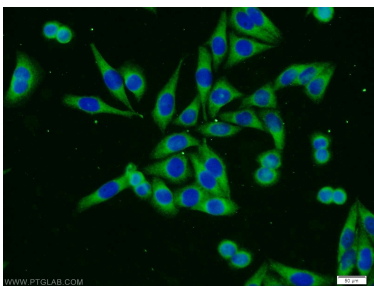
WB result of FOXO3A antibody (10849-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FOXO3A transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10849-1-AP (FOXO3A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 10849-1-AP (FOXO3A antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 10849-1-AP (FOXO3A antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).