

Nur für Forschungszwecke

# FOXO3A Polyklonaler Antikörper

Katalog-Nr.:10849-1-AP

Vorgestelltes Produkt

69 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 10849-1-AP	<b>GenBank-Zugangsnummer:</b> BC021224	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 800 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 2309	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:10000 IHC 1:50-1:200 IF 1:10-1:100
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> forkhead box O3	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 673 aa, 71 kDa	
<b>Immunogen Katalognummer:</b> AG1289	<b>Beobachtete Masse:</b> 72-97 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen, MCF-7-Zellen, Neuro-2a-Zellen, PC-3-Zellen
<b>In Publikationen genannte Anwendungen:</b> CoIP, IF, IHC, IP, WB	<b>IHC :</b> humanes Mammakarzinomgewebe, humanes Prostatakarzinomgewebe
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>IF :</b> HeLa-Zellen,
<b>Zitierte Arten:</b> Hausschwein, Human, Maus, Ratte	

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

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)

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

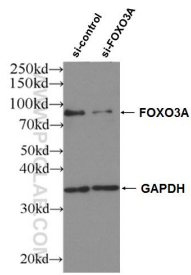
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

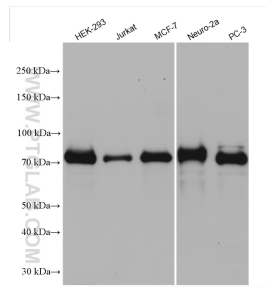
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

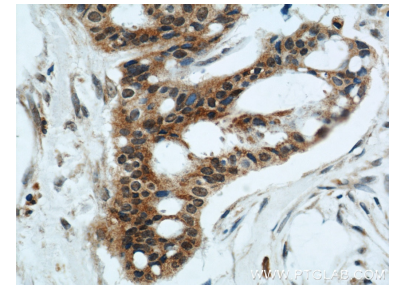
## Ausgewählte Validierungsdaten



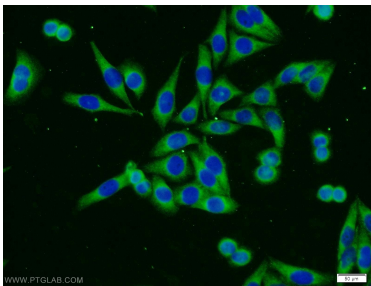
WB result of FOXO3A antibody (10849-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FOXO3A transfected HEK-293 cells.



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).