

For Research Use Only

# FOXO4 Polyclonal antibody

Catalog Number: 19121-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 19121-1-AP	<b>GenBank Accession Number:</b> NM_005938	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 230 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4303	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> forkhead box O4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 54 kDa	
	<b>Observed MW:</b> 45-48 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b> WB : human heart tissue, mouse heart tissue IF : HepG2 cells,
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	

## Background Information

FOXO4, also named as AFX, AFX1 and MLLT7, is a transcription factor which involved in the regulation of the ins signaling pathway. It binds to ins-response elements (IREs) and can activate transcription of IGF1R. FOXO down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. It is involved in negative regulation of the cell cycle. A chromosomal aberration involving FOXO4 is found in acute leukemias. The antibody can recognize isoform 1 and isoform Zeta of FOXO4.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xi-Lin Liu	33838260	Neurosci Lett	WB, IF

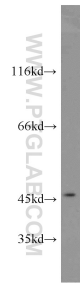
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

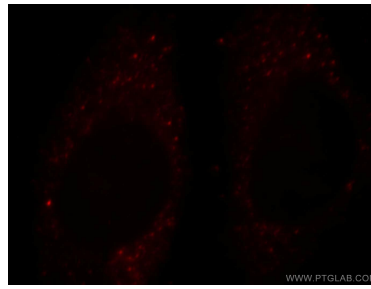
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## Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 19121-1-AP (FOXO4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using FOXO4 antibody 19121-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).