

For Research Use Only

FOXO4 Polyclonal antibody

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



Basic Information

Catalog Number: 19121-1-AP	GenBank Accession Number: NM_005938	Purification Method: Antigen affinity purification
Size: 230 µg/ml	GeneID (NCBI): 4303	Recommended Dilutions: WB 1:500-1:1000 IF 1:10-1:100
Source: Rabbit	UNIPROT ID: P98177	
Isotype: IgG	Full Name: forkhead box O4	
	Calculated MW: 54 kDa	
	Observed MW: 45-48 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : human heart tissue, mouse heart tissue IF : HepG2 cells,
Cited Applications: IF, WB	
Species Specificity: human, mouse	
Cited Species: 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 IGFBP1. 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

For technical support and original validation data for this product please contact:

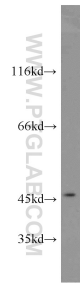
T: 4006900926

E: Proteintech-CN@ptglab.com

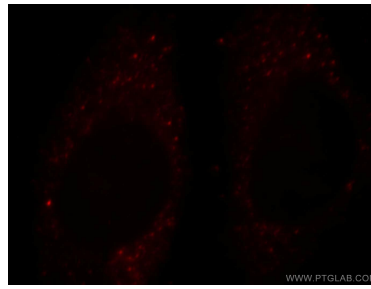
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Selected Validation Data



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).