

For Research Use Only

FOXO4 Polyclonal antibody

Catalog Number: 19121-1-AP

1 Publications



Basic Information

Catalog Number:

19121-1-AP

Size:

150ul , Concentration: 230 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005938

GeneID (NCBI):

4303

UNIPROT ID:

P98177

Full Name:

forkhead box O4

Calculated MW:

54 kDa

Observed MW:

45-48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IF, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : human heart tissue, mouse heart tissue

IF/ICC : HepG2 cells,

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

*** 20ul sizes contain 0.1% BSA

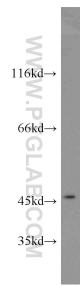
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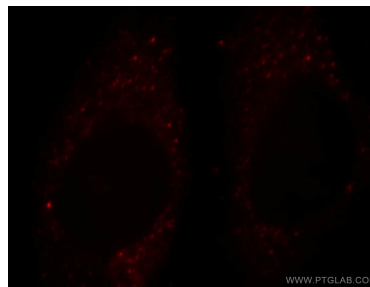
E: proteintech@ptglab.com
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Selected Validation Data



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).