

For Research Use Only

FOXO4 Polyclonal antibody

Catalog Number: 21535-1-AP

Featured Product

21 Publications



Basic Information

Catalog Number:

21535-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16169

GenBank Accession Number:

BC106761

GeneID (NCBI):

4303

UNIPROT ID:

P98177

Full Name:

forkhead box O4

Calculated MW:

505 aa, 54 kDa

Observed MW:

65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, ColP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, canine, bovine

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : PC-12 cells, mouse heart tissue, mouse kidney tissue, rat kidney tissue

IHC : human kidney tissue,

Background Information

FOXO4, also named as AFX, AFX1 and MLLT7, is a transcription factor which involved in the regulation of the insulin signaling pathway. It binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. FOXO down-regulates expression of HIF 1A and suppresses hypoxia-induced transcriptional activation of HIF 1A-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
Wei Xia	34654817	Nat Commun	WB, IHC
Sirwan Sleman	34751815	Arch Virol	WB
Han Li	35777198	Redox Biol	WB

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:

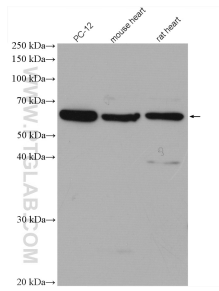
T: 4006900926

E: Proteintech-CN@ptglab.com

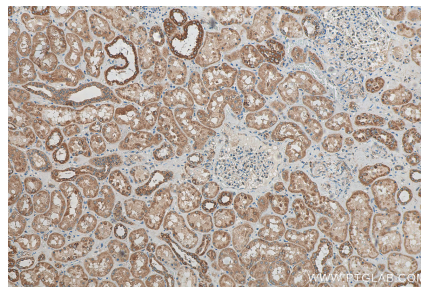
W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21535-1-AP (FOXO4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21535-1-AP (FOXO4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).