

For Research Use Only

FOXO4 Polyclonal antibody

Catalog Number: 21535-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number: 21535-1-AP	GenBank Accession Number: BC106761	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4303	Recommended Dilutions: WB 1:500-1:3000 IHC 1:20-1:200
Source: Rabbit	Full Name: forkhead box O4	
Isotype: IgG	Calculated MW: 505 aa, 54 kDa	
Immunogen Catalog Number: AG16169	Observed MW: 65 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

canine, human, mouse, rat

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
Shu Yang	29376352	J Agric Food Chem	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

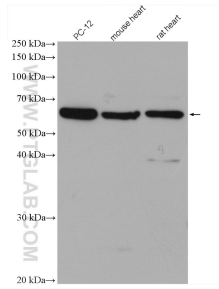
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

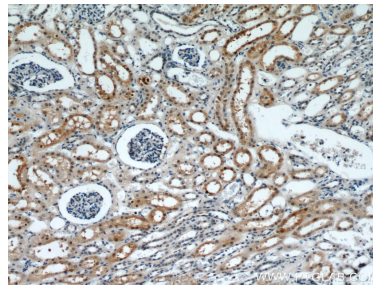
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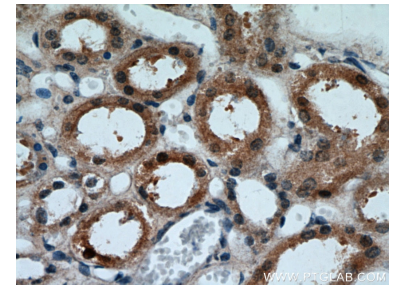
Selected Validation Data



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 using 21535-1-AP (FOXO4 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 21535-1-AP (FOXO4 antibody) at dilution of 1:100 (under 40x lens).