

For Research Use Only

# FOXO4 Recombinant antibody, PBS Only

Catalog Number:[86236-1-PBS](#)



## Basic Information

Catalog Number:	86236-1-PBS	GenBank Accession Number:	BC106761	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	4303	CloneNo.:	250921F4
Source:	Rabbit	UNIPROT ID:	P98177		
Isotype:	IgG	Full Name:	forkhead box O4		
Immunogen Catalog Number:	AG16169	Calculated MW:	505 aa, 54 kDa		
		Observed MW:	65 kDa		

## Applications

Tested Applications:  
WB, IF/ICC, Indirect ELISA

Species Specificity:  
human, mouse, rat

## Background Information

FOXO4, also named as AFX, AFX1 and MLLT7, is a transcription factor that is involved in the regulation of the insulin signaling pathway. It binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. FOXO downregulates the 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.

## Storage

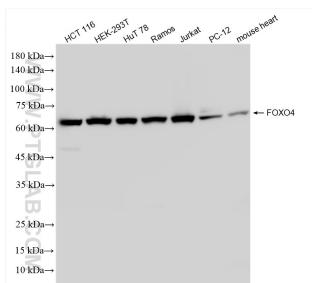
Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

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)

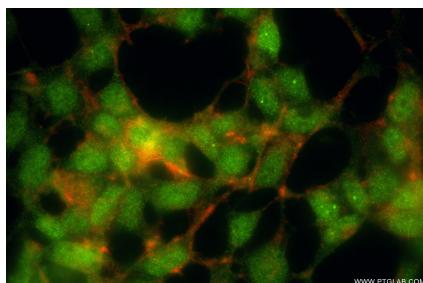
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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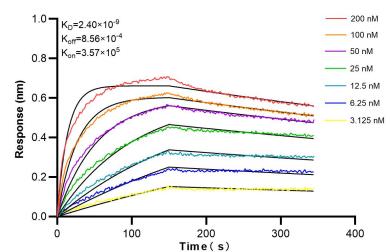
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86236-1-RR (FOXO4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86236-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293T cells using FOXO4 antibody (86236-1-RR, Clone: 250921F4) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 86236-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86236-1-RR against Human FOXO4 were performed. The affinity constant is 2.40 nM.