

For Research Use Only

FOXO4 Recombinant antibody

Catalog Number: 86236-1-RR



Basic Information

Catalog Number:	86236-1-RR	GenBank Accession Number:	BC106761	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	4303	CloneNo.:	250921F4
Source:	Rabbit	UNIPROT ID:	P98177	Recommended Dilutions:	WB: 1:1000-1:8000 IF/ICC: 1:50-1:500
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, ELISA	Positive Controls:	
Species Specificity:	human, mouse, rat	WB:	HCT 116 cells, HEK-293T cells, HuT 78 cells, Ramos cells, Jurkat cells, PC-12 cells, mouse heart tissue

IF/ICC: HEK-293T cells,

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

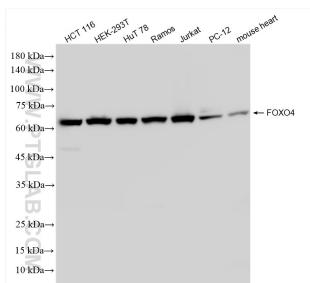
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

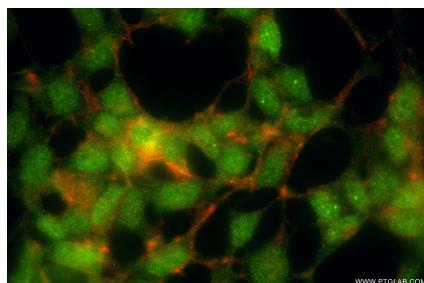
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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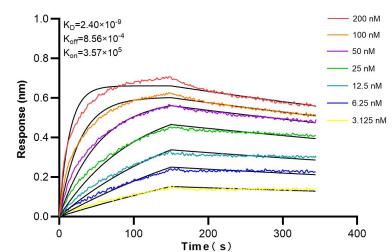
Selected Validation Data



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.



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).



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