

For Research Use Only

# CoraLite® Plus 488-conjugated FOXO4 Recombinant monoclonal antibody

Catalog Number:CL488-86236



## Basic Information

<b>Catalog Number:</b> CL488-86236	<b>GenBank Accession Number:</b> BC106761	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4303	<b>CloneNo.:</b> 250921F4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P98177	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> forkhead box O4	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG16169	<b>Calculated MW:</b> 505 aa, 54 kDa	
	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HEK-293 cells,
<b>Species Specificity:</b> 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 IGF1BP1. FOXO downregulates the expression of HIF 1A 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. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite® Plus 488 FOXO4 antibody (CL488-86236, Clone: 250921F4) at dilution of 1:200, CL594-phalloidin (red).