

**Product Name: FOXO4 Rabbit Polyclonal Antibody****Catalog #: APRab00117**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,FC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200,FC 1:50-1:100,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 54 kDa; Observed MW: 65 kDa

**Antigen Information**

<b>Gene Name</b>	FOXO4
<b>Alternative Names</b>	FOXO4; AFX; AFX1; MLLT7; Forkhead box protein O4; Fork head domain transcription factor AFX1
<b>Gene ID</b>	4303
<b>SwissProt ID</b>	P98177
<b>Immunogen</b>	A synthetic peptide corresponding to target protein

**Background**

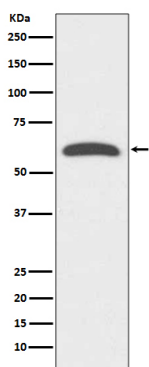
The Forkhead family of transcription factors is involved in tumorigenesis of rhabdomyosarcoma and acute leukemias.

Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. Down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle.

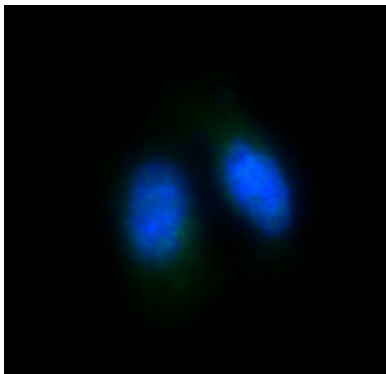
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of FoxO4 in Human heart lysates using FOXO4 antibody.



Immunofluorescence analysis of FOXO4 in Hela using FoxO4 antibody.