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**Product Name: FOXO1 Rabbit Polyclonal Antibody****Catalog #: APRab03374**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA,IP,ChIP
<b>Reactivity</b>	Human,Mouse,Rat,Other
<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>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000,IP 1:20-1:50,ChIP 1:20
<b>Molecular Weight</b>	Calculated MW: 70 kDa; Observed MW: 78 kDa

**Antigen Information**

<b>Gene Name</b>	FOXO1
<b>Alternative Names</b>	FOXO1; FKHR; FOXO1A; Forkhead box protein O1; Forkhead box protein O1A; Forkhead in rhabdomyosarcoma
<b>Gene ID</b>	2308
<b>SwissProt ID</b>	Q12778
<b>Immunogen</b>	Recombinant protein of human FOXO1A

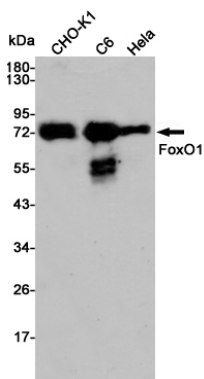
**Background**

Transcription factor which acts as a regulator of cell responses to oxidative stress. In the presence of KIRT1, mediates down-regulation of cyclin D1 and up-regulation of CDKN1B levels which are required for cell transition from proliferative growth to quiescence.

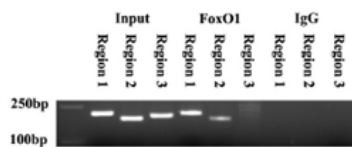
## Research Area

Signal Transduction

## Image Data



Western blot analysis of FoxO1 in CHO-K1, C6 and HeLa lysates using FoxO1 antibody.



ChIPPCR detected the FoxO1 binding sites in the AdipoQ promoter region.