

**FoxO4 (Acetyl Lys189) Polyclonal Antibody**  
**Catalog # AP63275****Specification**

---

**FoxO4 (Acetyl Lys189) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P98177</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**FoxO4 (Acetyl Lys189) Polyclonal Antibody - Additional Information****Gene ID** 4303**Other Names**

Forkhead box protein O4 (Fork head domain transcription factor AFX1)

**Dilution**

WB~~WB 1:500-2000, ELISA 1:10000-20000

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**FoxO4 (Acetyl Lys189) Polyclonal Antibody - Protein Information****Name** FOXO4**Synonyms** AFX, AFX1, MLLT7**Function**

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. Involved in increased proteasome activity in embryonic stem cells (ESCs) by activating expression of PSMD11 in ESCs, leading to enhanced assembly of the 26S proteasome, followed by higher proteasome activity.

**Cellular Location**

Cytoplasm. Nucleus. Note=When phosphorylated, translocated from nucleus to cytoplasm. Dephosphorylation triggers nuclear translocation. Monoubiquitination increases nuclear localization. When deubiquitinated, translocated from nucleus to cytoplasm

**Tissue Location**

Heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Isoform zeta is most

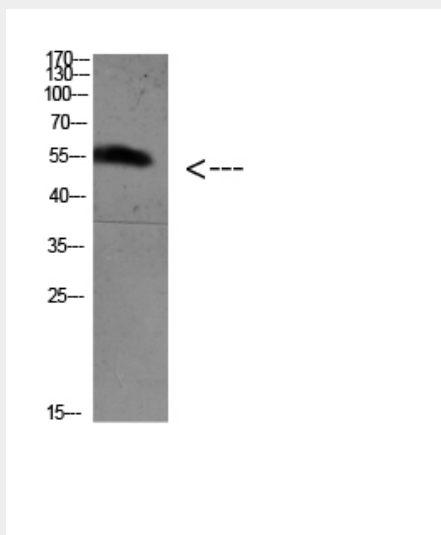
abundant in the liver, kidney, and pancreas

### **FoxO4 (Acetyl Lys189) Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **FoxO4 (Acetyl Lys189) Polyclonal Antibody - Images**



### **FoxO4 (Acetyl Lys189) Polyclonal Antibody - Background**

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. Involved in increased proteasome activity in embryonic stem cells (ESCs) by activating expression of PSMD11 in ESCs, leading to enhanced assembly of the 26S proteasome, followed by higher proteasome activity.