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FOXO4 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI16169

Specification

FOXO4 antibody - middle region - Product Information

Application	**WB**
Primary Accession	P98177
Other Accession	NM_005938, NP_005929
Reactivity	**Human, Mouse, Rat, Pig, Horse, Dog**
Predicted	**Human, Mouse, Rat, Pig, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**54kDa KDa**

FOXO4 antibody - middle region - Additional Information

Gene ID 4303

Alias Symbol	**AFX, AFX1, MGC120490, MLLT7**

Other Names
Forkhead box protein O4, Fork head domain transcription factor AFX1, FOXO4, AFX, AFX1, MLLT7

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-FOXO4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
FOXO4 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

FOXO4 antibody - middle region - 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

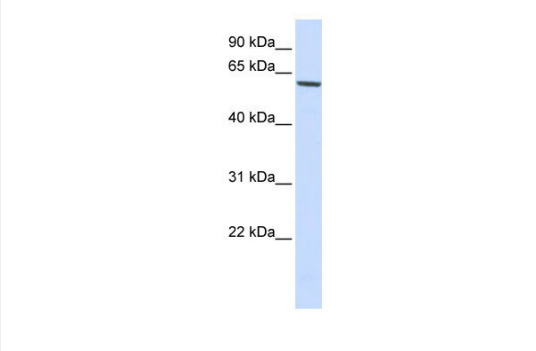
Tissue Location
Heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Isoform zeta is most abundant in the liver, kidney, and pancreas

FOXO4 antibody - middle region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FOXO4 antibody - middle region - Images



WB Suggested Anti-FOXO4 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:2500
Positive Control: 293T cell lysate

FOXO4 antibody - middle region - Background

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FOXO4 antibody - middle region - References

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