

AFX Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10294**Specification**

AFX Antibody - Product Information

Application	WB
Primary Accession	P98177
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	53684

AFX Antibody - Additional Information**Gene ID** 4303

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. 3T3 cell lysate can be used as a positive control. The antibody detects 60 kDa FoxO4 from samples of human, mouse, and rat origins.
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Other Names

FOXO4/FAX , AFX , AFX1 , MLLT7 , AFX , FoxO4 , AFX

Target/Specificity

AFX

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-AFX polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

AFX Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

AFX 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

AFX 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](#)

AFX Antibody - Images

AFX Antibody - Background

FoxO4 is a member of the Forkhead family of transcription factors which are involved in tumorigenesis and other pathological processes. FoxO4 has been shown to mediate signaling via a pathway involving IGFR1, PI3K, and Akt.