

Phospho-FoxO4/AFX Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10213**Specification**

Phospho-FoxO4/AFX Antibody - Product Information

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|-------------------|----------------------------|
| Application | WB |
| Primary Accession | P98177.5 |
| Other Accession | AAI06762.1 |
| Reactivity | Human, Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |

Phospho-FoxO4/AFX Antibody - Additional Information

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|---------------------|---|
| Application & Usage | Western blotting (1-2 µg/ml). However, the optimal concentrations should be determined individually. Phospho-AFX (Ser193) antibody detects only the phosphorylated Ser193 of AFX and does not react with nonphosphorylated AFX. |
|---------------------|---|

Other Names

AFX1, MLLT7, Forkhead box protein O4; Fork head domain transcription factor AFX1

Target/Specificity

Phospho-FoxO4/AFX

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) peptide affinity purified polyclonal rabbit anti-Phospho-AFX antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% sodium azide

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Phospho-FoxO4/AFX Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-FoxO4/AFX Antibody - Protein Information

Phospho-FoxO4/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](#)

Phospho-FoxO4/AFX Antibody - Images

Phospho-FoxO4/AFX Antibody - Background

The forkhead family of transcription factors is involved in tumorigenesis in rhabdomyosarcoma and acute leukemias. Within the family, three members (FKHR, AFX, AND FKHL1) have sequence similarity to the nematode homolog Daf 16, recently shown to mediate signaling via a pathway involving IGFR1, P13-K and Akt. There are three potential Akt phosphorylation sites on the FKHR proteins. One site, FKHR Ser256 is found in the Forkhead domain and the other two are outside this domain. Recent studies show that phosphorylation of FKHR family members by Akt promotes cell survival. Phosphorylation regulates FKHR nuclear translocation and target gene transcription. Insulin also stimulates FKHR phosphorylation at Ser253.