

Product datasheet

Anti-Forkhead box protein O/dFOXO antibody - N-terminal ab195977

2 References

Overview

<b>Product name</b>	Anti-Forkhead box protein O/dFOXO antibody - N-terminal
<b>Description</b>	Rabbit polyclonal to Forkhead box protein O/dFOXO - N-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Drosophila melanogaster
<b>Immunogen</b>	Synthetic peptide corresponding to Drosophila melanogaster Forkhead box protein O/dFOXO (N terminal). Database link: <a href="#">Q95V55</a>
<b>General notes</b>	Previously labelled as Forkhead box protein O.

Properties

<b>Form</b>	Lyophilised:Reconstitute with 100 uL distilled water.
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituents: 1.21% Tris buffer, 0.75% Glycine, 2% Sucrose
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab195977** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 67 kDa.

## Target

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<b>Function</b>	Transcription factor involved in the regulation of the insulin signaling pathway. Consistently activates both the downstream target Thor\`d4EBP and the feedback control target InR. Involved in negative regulation of the cell cycle, modulating cell growth and proliferation. In response to cellular stresses, such as nutrient deprivation or increased levels of reactive oxygen species, foxo is activated and inhibits growth through the action of target genes such as Thor. Foxo activated in the adult fat body can regulate lifespan in adults; an insulin peptide itself may function as one secondary messenger of insulin-regulated aging. Also regulates Lip4, homolog of human acid lipases, thereby acting as a key modulator of lipid metabolism by insulin signaling and integrates insulin responses to glucose and lipid homeostasis.
<b>Sequence similarities</b>	Contains 1 fork-head DNA-binding domain.
<b>Cellular localization</b>	Cytoplasm. Nucleus. When phosphorylated, translocated from nucleus to cytoplasm. Dephosphorylation triggers nuclear translocation.

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