

Rev01  
 Update: May,14,2025

## DATASHEET

# FOXO4 Antibody, mAb, Rabbit

Cat. No.: A03274

## Overview

<b>Specificity</b>	This product is specific to FOXO4
<b>Host Species</b>	Rabbit
<b>Immunogen</b>	A synthesized peptide derived from human FOXO4
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated

## Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

<b>Application</b>	<b>Recommended Usage</b>
Western Blot	1:1000-1:5000
Immunohistochemistry (IHC)	1:100-1:200

## Properties

<b>Form</b>	Liquid
<b>Storage Buffer</b>	Supplied in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage Instructions</b>	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.
<b>Purification</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal

## Background

**Target 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.

**Synonyms :** Forkhead box protein O4; Fork head domain transcription factor AFX1; AFX; AFX1; MLLT7; FOXO4;

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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