

Datasheet for ABIN657229  
**anti-FOXO3 antibody (N-Term)**



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3 Images

## Overview

Quantity:	400 µL
Target:	FOXO3
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This FOXO3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human FOXO3.
Clone:	RB33291
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	FOXO3
Alternative Name:	FOXO3 ( <a href="#">FOXO3 Products</a> )

## Target Details

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**Background:** This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed.

**Molecular Weight:** 71277

**NCBI Accession:** [NP\\_001446](#), [NP\\_963853](#)

**UniProt:** [O43524](#)

**Pathways:** [Cell Division Cycle](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Carbohydrate Homeostasis](#)

## Application Details

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**Application Notes:** WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

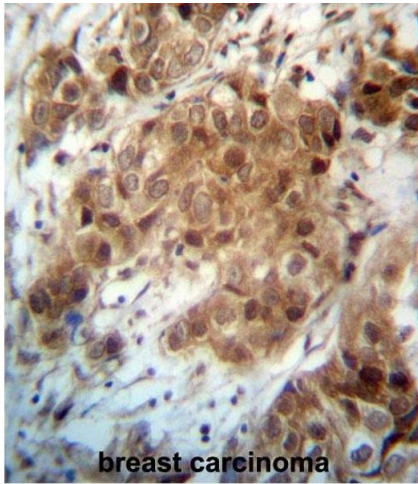
**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

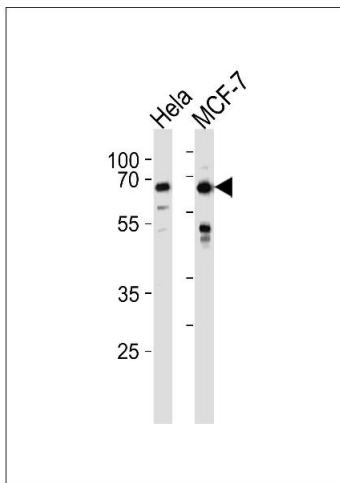
**Storage:** 4 °C, -20 °C

**Expiry Date:** 6 months



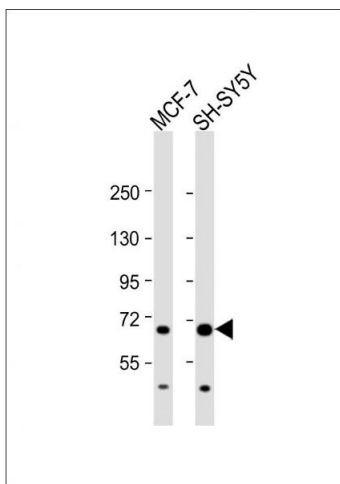
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** FOXO3 Antibody (N-term) (ABIN657229 and ABIN2846331) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FOXO3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



### Western Blotting

**Image 2.** FOXO3 Antibody (N-term) (ABIN657229 and ABIN2846331) western blot analysis in HeLa, MCF-7 cell line lysates (35 µg/lane). This demonstrates the FOXO3 antibody detected the FOXO3 protein (arrow).



### Western Blotting

**Image 3.** All lanes : Anti-FOXO3 Antibody (N-term) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 71 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.