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# Datasheet for ABIN3030991 anti-FOXO3 antibody (AA 224-253)

5 Images



#### Overview

Quantity:	0.4 mL
Target:	F0X03
Binding Specificity:	AA 224-253
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	A portion of amino acids 224-253 from the human protein was used as the immunogen for this FOXO3 antibody.
lsotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse
Purification:	Antigen affinity purified

#### Target Details

Target:	F0X03
Alternative Name:	FOXO3 (FOXO3 Products)
Background:	This gene belongs to the forkhead family of transcription factors which are characterized by a

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## Target Details

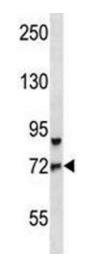
	distinct forkhead domain. This gene likely functions as a trigger for apoptosis through
	expression of genes necessary for cell death. Translocation of this gene with the MLL gene is
	associated with secondary acute leukemia. Alternatively spliced transcript variants encoding
	the same protein have been observed.
UniProt:	043524
Pathways:	Cell Division Cycle, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway,
	Neurotrophin Signaling Pathway, Carbohydrate Homeostasis

## Application Details

Application Notes:	Titration of the FOXO3 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-
	1:50,Immunofluorescence: 1:10-1:50
Restrictions:	For Research Use only

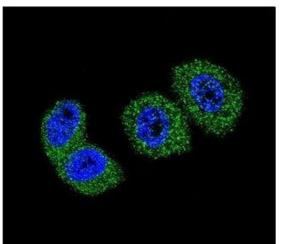
## Handling

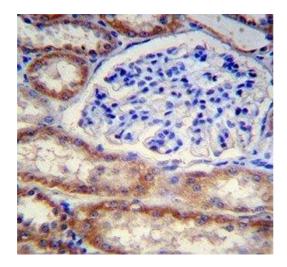
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the FOXO3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.





**Image 1.** FOXO3 antibody western blot analysis in CEM lysate. Predicted/observed molecular weight ~70 kDa.





#### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of FOXO3 antibody with MCF-7 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).

#### Immunohistochemistry

**Image 3.** FOXO3 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue.

Please check the product details page for more images. Overall 5 images are available for ABIN3030991.

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