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anti-FOXO3 antibody (C-Term)



Overview

Images



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Quantity:	100 μL
Target:	FOXO3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human FOXO3A. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat, Squirrel, Xenopus laevis
Characteristics:	Rabbit Polyclonal antibody to FOXO3A (forkhead box O3) FOXO3A antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

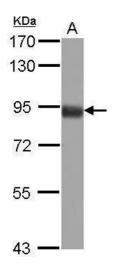
Target:	FOXO3	
Alternative Name:	forkhead box 03 (FOXO3 Products)	
Background:	This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell 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.	
	Cellular Localization: Cytoplasm , cytosol , Nucleus	
Molecular Weight:	71 kDa	
Gene ID:	2309	
UniProt:	043524	
Pathways:	Cell Division Cycle, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Carbohydrate Homeostasis	
Application Details		
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.	
Comment:	Positive Control: Mouse brain , C2C12 Validation: KO/KD, Orthogonal	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.56 mg/mL	
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

Storage:	4 °C,-20 °C
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Storage Comment:

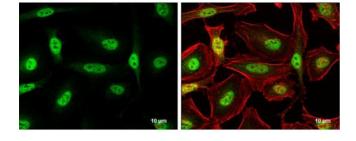
Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



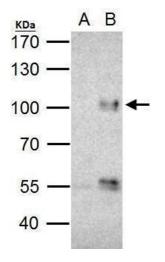
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: 293T 7.5% SDS PAGE antibody diluted at 1:500



Immunofluorescence

Image 2. ICC/IF Image FOXO3A antibody [C3], C-term detects FOXO3A protein at nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: FOXO3A protein stained by FOXO3A antibody [C3], C-term , diluted at 1:500. Red: phalloidin, a cytoskeleton marker, diluted at 1:200. Scale bar = $10 \mu m$.



Immunoprecipitation

Image 3. IP Image FOXO3A antibody immunoprecipitates FOXO3A protein in IP experiments. IP Sample: Jurkat whole cell lysate/extract A. Control with 2 μ g of preimmune rabbit IgG B. Immunoprecipitation of FOXO3A protein by 2 μ g of FOXO3A antibody , 5% SDS-PAGE The immunoprecipitated FOXO3A protein was detected by FOXO3A antibody , diluted at 1:1000. EasyBlot anti-rabbit IgG was used as a secondary reagent.

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	Please check the product details page for more images. Overall 5 images are available for ABIN2854686.