

FOXO3A Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rodent
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to a region within amino acids 611 and 673 of Human FOXO3A
Form	Liquid
Concentration	0.56 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2544621

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-
Immunoprecipitation (IP)	1:100-1:500	1 Publication

Product Specific Information

Recommended positive controls: 293T, Mouse brain, C2C12, Jurkat, Raji.

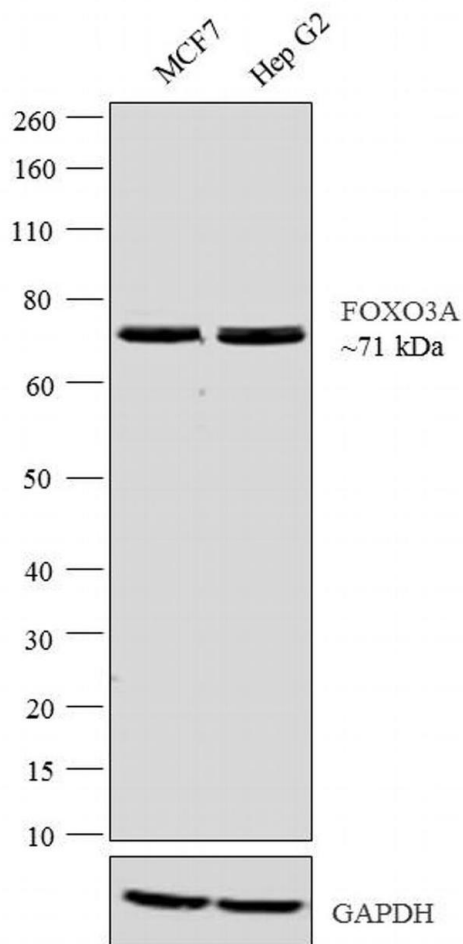
Predicted reactivity: Mouse (100%), Rat (100%), Pig (100%), Sheep (100%), Bovine (100%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For FOXO3A Polyclonal Antibody

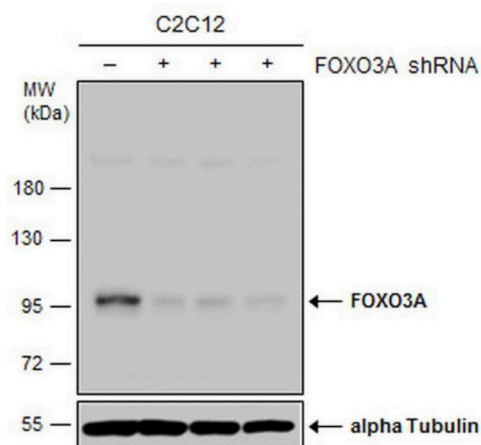
FOXO3A Antibody (PA5-27145) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of MCF7 (Lane 1) and Hep G2 (Lane 2). The blot was probed with Anti-FOXO3 Rabbit Polyclonal Antibody (Product # PA5-27145, 1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 71 kDa band corresponding to FOXO3A was detected across the cell lines tested.



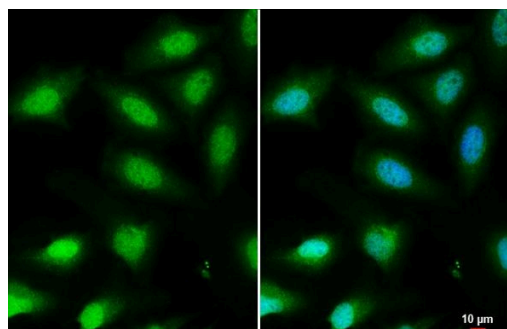
FOXO3A Antibody (PA5-27145)

Antibody specificity was demonstrated by shRNA mediated knockdown of the target protein. C2C12 cells were transfected with FOXO3A shRNA and decrease in signal intensity was observed in Western blot application using FOXO3A Polyclonal Antibody (Product # PA5-27145). {KD}



FOXO3A Antibody (PA5-27145) in ICC/IF

Immunocytochemistry-Immunofluorescence analysis of FOXO3A was performed in HeLa cells fixed in 4% paraformaldehyde at RT for 15 min. Green: FOXO3A Polyclonal Antibody (Product # PA5-27145) diluted at 1:1000. Blue: Hoechst 33342 staining. Scale bar = 10 µm.



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2 References

Immunohistochemistry (1)

Human reproduction (Oxford, England)	Year 2019
Impact of first-line cancer treatment on the follicle quality in cryopreserved ovarian samples from girls and young women.	
"Published figure using FOXO3A polyclonal antibody (Product # PA5-27145) in Immunofluorescence"	
Authors: Pampanini V,Wagner M,Asadi-Azarbaijani B,Oskam IC,Sheikhi M,Sjödin MOD,Lindberg J,Hovatta O,Sahlin L, Björvang RD,Otala M,Damdimopoulou P,Jahnukainen K	

Immunoprecipitation (1)

Molecular cell	Year 2020
Lipid Droplet-Derived Monounsaturated Fatty Acids Traffic via PLIN5 to Allosterically Activate SIRT1.	Species Mouse
"PA5-27145 was used in Immunoprecipitation to identify if monounsaturated fatty acids (MUFAs) allosterically activate SIRT1 toward select peptide-substrates such as PGC-1."	
Authors: Najt CP,Khan SA,Heden TD,Witthuhn BA,Perez M,Heier JL,Mead LE,Franklin MP,Karanja KK,Graham MJ, Mashek MT,Bernlohr DA,Parker L,Chow LS,Mashek DG	

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