

FOXO3A Polyclonal Antibody

Catalog NumberPA1-9042

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Goat / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL
Type	Antibody	Western Blot (WB)	0.1-1 µg/mL
Immunogen	Synthetic peptide corresponding to the C terminus amino acids GAKQASSQSWVPG.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Ammonium sulfate precipitation		
Storage buffer	TBS, pH 7.3, with 0.5% BSA		
Contains	0.02% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine, canine, mouse, porcine and rat based on sequence homology. This antibody was orginally validated as part of a Thermo Scientific Cellomics High Content Screening Kit. The antibody sold separately may have slightly different performance and may need to be further optimized for the best results. This antibody is tested in Peptide ELISA: antibody detection limit dilution 8,000.

Background/Target Information

USP48 is a protein containing domains that associate it with the peptidase family C19, also known as family 2 of ubiquitin carboxyl-terminal hydrolases. Family members function as deubiquitinating enzymes, recognizing and hydrolyzing the peptide bond at the C-terminal glycine of ubiquitin. Enzymes in peptidase family C19 are involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins.

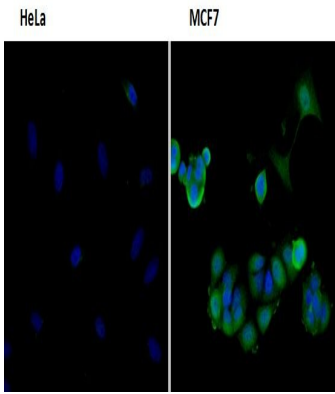
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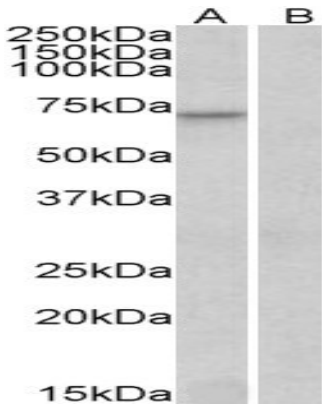
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Product Images For FOXO3A Polyclonal Antibody



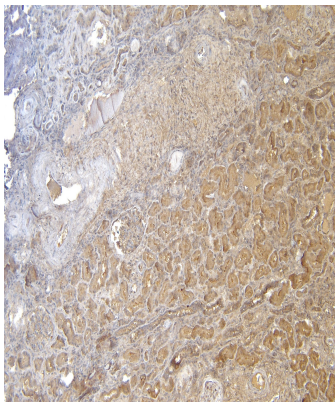
FOXO3A Antibody (PA1-9042) in ICC/IF

Immunofluorescent analysis of FOXO3 (green) in HeLa cells (left panel) or MCF7 cells (right panel). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a FOXO3 polyclonal antibody (Product # PA1-9042) at a dilution of 1:100 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 IgG secondary antibody at a dilution of 1:400 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan at 20X magnification.



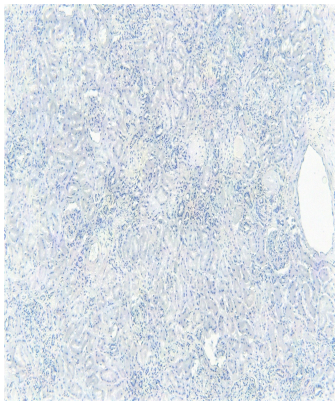
FOXO3A Antibody (PA1-9042) in WB

Western blot analysis of FOXO3A using FOXO3A Polyclonal Antibody (Product # PA1-9042) (0.3 µg/mL) in staining of Human Heart lysate (35 µg protein in RIPA buffer) with (A) and without (B) blocking with the immunising peptide. Detected by chemiluminescence.



FOXO3A Antibody (PA1-9042) in IHC (P)

Immunohistochemistry (PFA fixed) analysis of FOXO3A using FOXO3A Polyclonal Antibody (Product # PA1-9042) (5 µg/mL) in staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



FOXO3A Antibody (PA1-9042) in IHC (P)

Negative Control for FOXO3A Polyclonal Antibody (Product # PA1-9042), showing immunohistochemical staining of paraffin embedded Human Kidney, with no primary antibody.

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