

KD-Validated Anti-Forkhead Box O3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

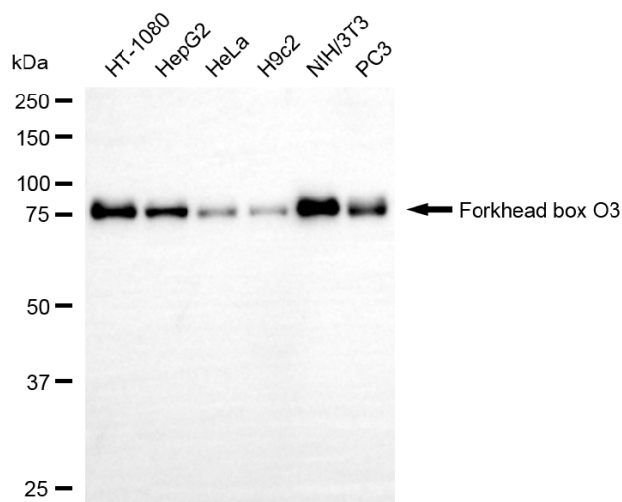
ABG1325

Product Overview

Name	KD-Validated Anti-Forkhead Box O3 Rabbit Monoclonal Antibody
Accession(Primary)	O43524
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human FoxO3a
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 71 kDa; observed, 82 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

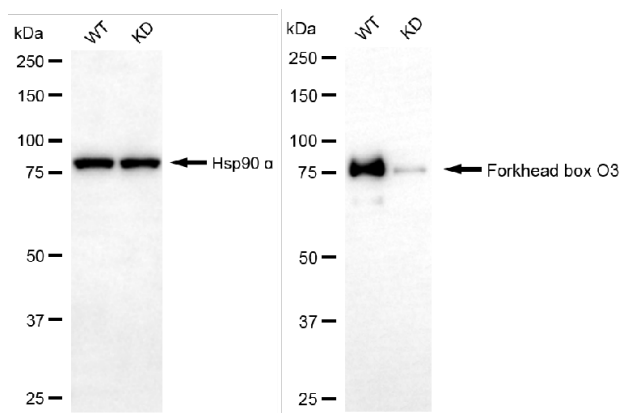
Target information (O43524)

Gene Name	FOXO3
About Gene Symbol	FOXO3 (Forkhead Box O3) is a transcription factor involved in gene transcription and regulation. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



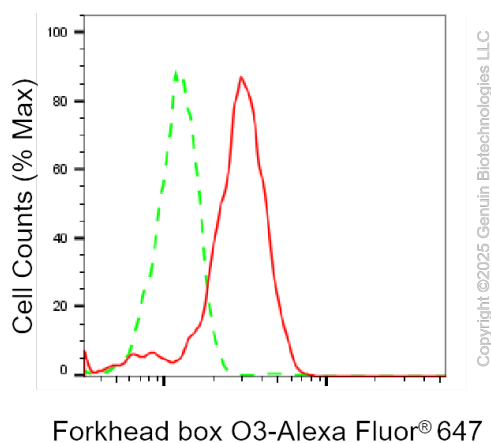
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Western blotting analysis using anti-forkhead box O3 antibody (Cat#ABG1325). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-forkhead box O3 antibody (Cat#ABG1325, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



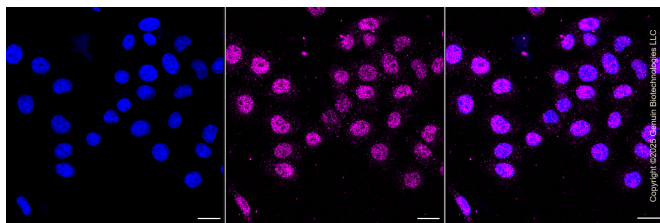
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Western blotting analysis using anti-forkhead box O3 antibody (Cat#ABG1325). Forkhead box O3 expression in wild-type (WT) and forkhead box O3 (FOXO3) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-forkhead box O3 antibody (Cat#ABG1325, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Forkhead box O3 expression in HepG2 cells using anti-Forkhead box O3 antibody (Cat#ABG1325, 1:2,000). Green, isotype control; red, Forkhead box O3.



Immunocytochemical staining of HepG2 cells with anti-Forkhead box O3 antibody (Cat#ABG1325, 1:1,000). Nuclei were stained blue with DAPI; Forkhead box O3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.