

# KD-Validated Anti-Forkhead Box O3 Recombinant Rabbit Monoclonal Antibody



**Catalog #: 61588**

## Aliases

FOXO3; Forkhead Box O3; AF6q21; FKHRL1; FOXO3A; FOXO2; Forkhead In Rhabdomyosarcoma-Like 1; Forkhead Box Protein O3; Forkhead, Drosophila, Homolog Of, In Rhabdomyosarcoma-Like 1; Forkhead Homolog (Rhabdomyosarcoma) Like 1; Forkhead Box O3A; AF6q21 Protein; FKHRL1P2; FOXO3A-

## Background

Gene Name: FOXO3

NCBI Gene Entry: [2309](#)

UniProt Entry: [O43524](#)

## Application Information

Molecular Weight: Predicted, 71 kDa, observed, 82 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB2940

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human FoxO3a

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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### SUPPORT

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### ORDERS

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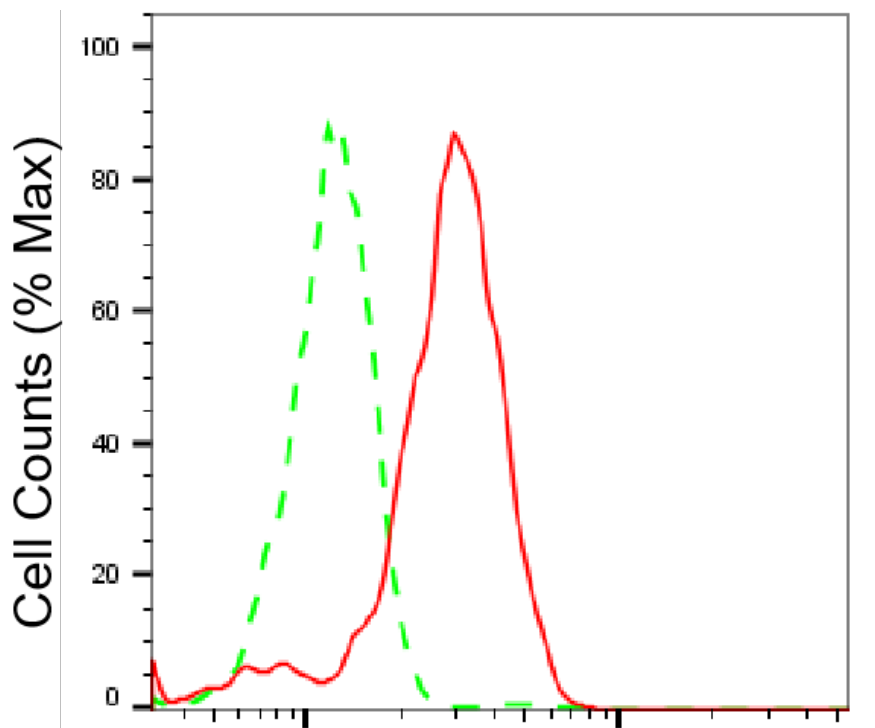
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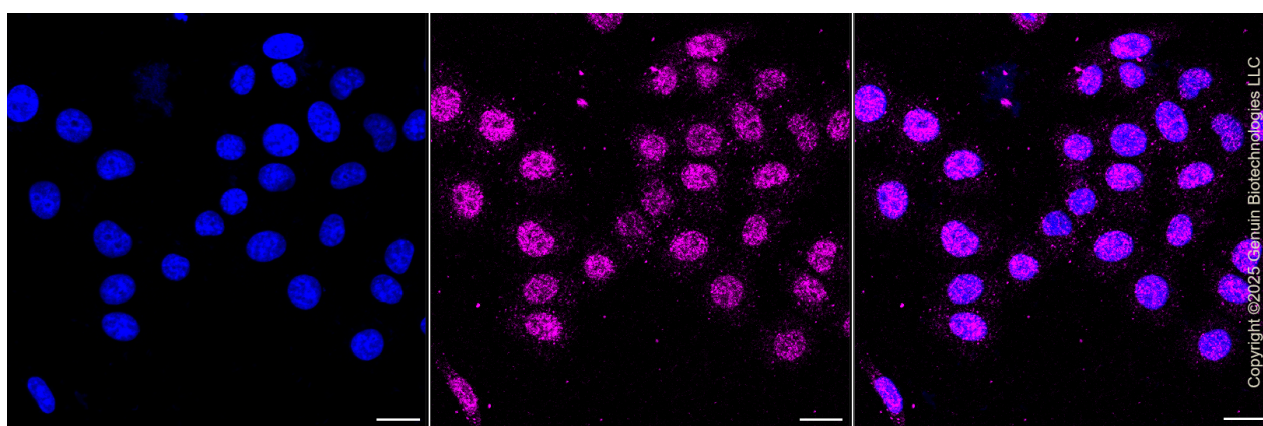
**Note:** This product is for research use only.

## Validation Data



### Forkhead box O3-Alexa Fluor® 647

Flow cytometric analysis of Forkhead box O3 expression in HepG2 cells using anti-Forkhead box O3 antibody (Cat#61588, 1:2,000). Green, isotype control; red, Forkhead box O3.



Immunocytochemical staining of HepG2 cells with anti-Forkhead box O3 antibody (Cat#61588, 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  $\mu$ m.

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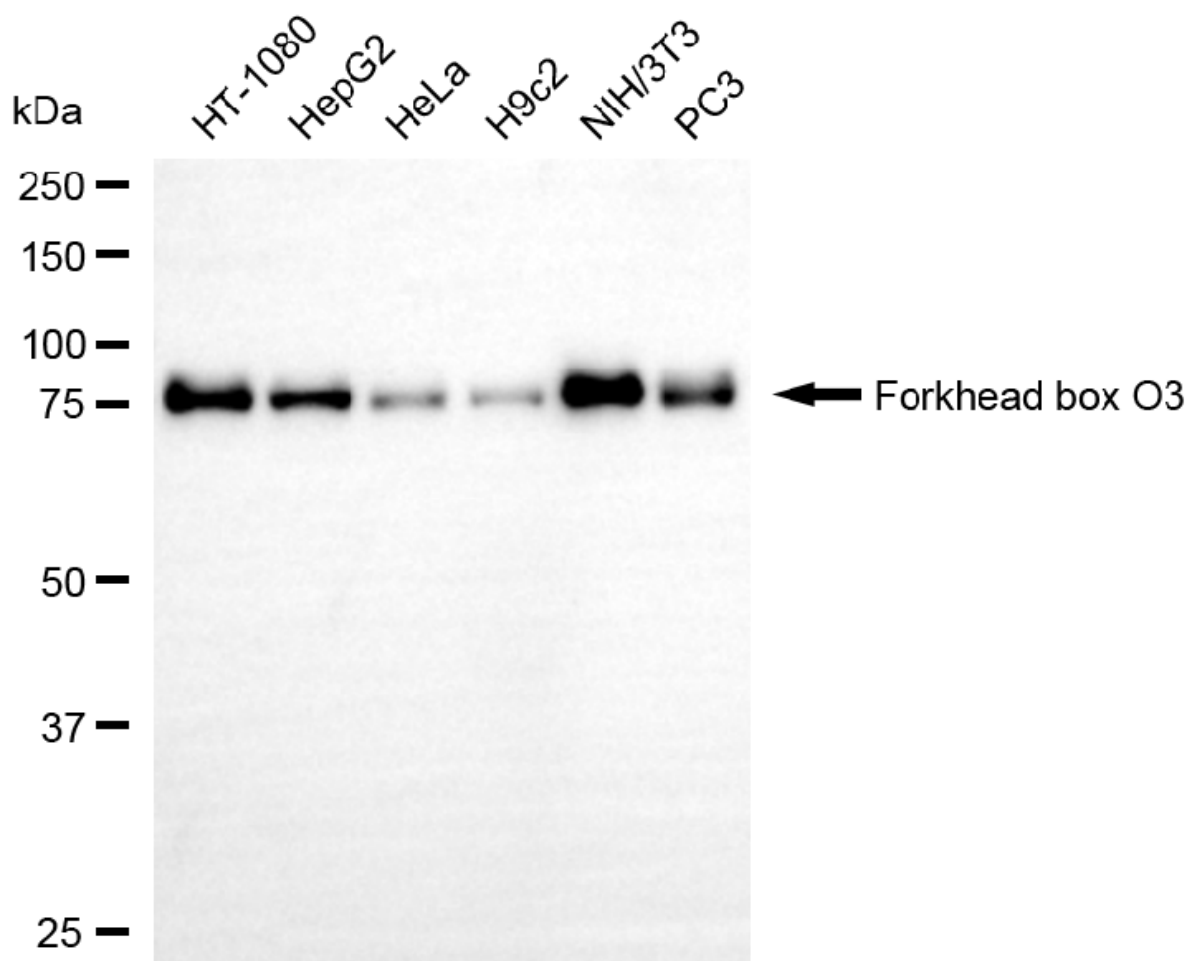
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Western blotting analysis using anti-forkhead box O3 antibody (Cat#61588). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-forkhead box O3 antibody (Cat#61588, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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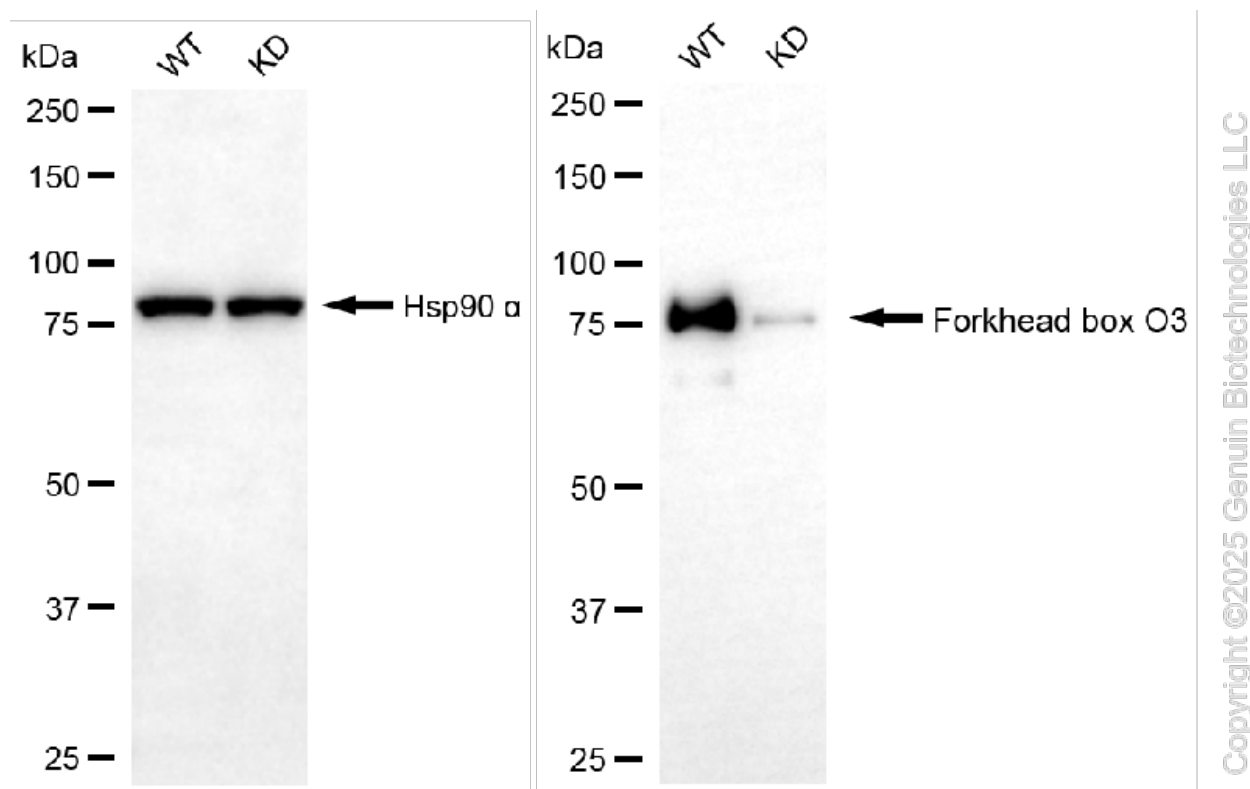
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Western blotting analysis using anti-forkhead box O3 antibody (Cat#61588). Forkhead box O3 expression in wild-type (WT) and forkhead box O3 (FOXO3) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-forkhead box O3 antibody (Cat#61588, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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