

# KD-Validated Anti-FOXO1 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

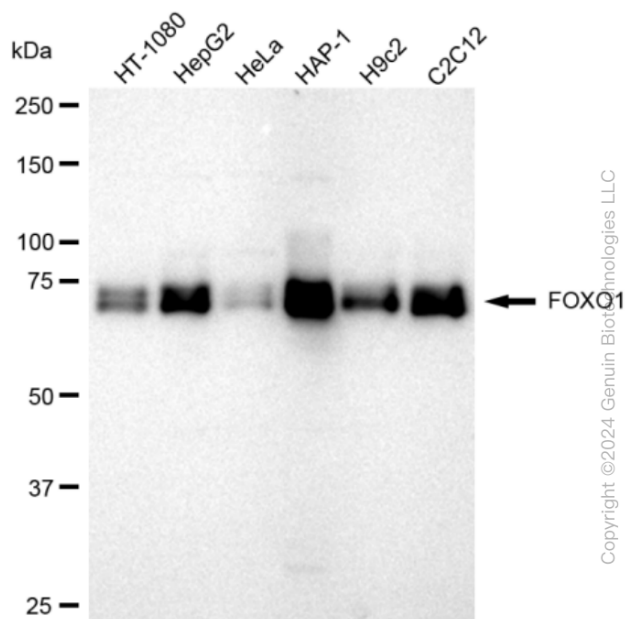
ABG1684

## Product Overview

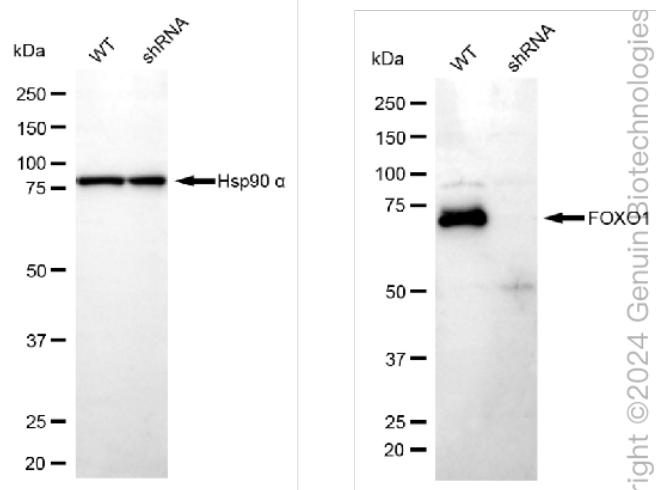
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|-----------------------------|-----------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-FOXO1 Rabbit Monoclonal Antibody                          |
| <b>Accession(Primary)</b>   | Q12778                                                                      |
| <b>Host Species</b>         | Rabbit                                                                      |
| <b>Clonality</b>            | Monoclonal                                                                  |
| <b>Isotype</b>              | Rabbit IgG                                                                  |
| <b>Immunogen</b>            | A synthesized peptide derived from human FOXO1                              |
| <b>Species Reactivity</b>   | Human, Mouse, Rat                                                           |
| <b>Calculated MW</b>        | Predicted, 70 kDa , observed, 70-75 kDa                                     |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:5,000<br>Immunocytochemistry (IC): 1:1,000 |

## Target information (Q12778)

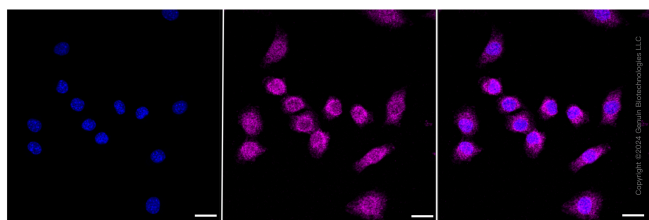
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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | FOXO1                                                                                                                                                                                                                                           |
| <b>About Gene Symbol</b> | FOXO1 (Forkhead Box O1) 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. |



Western blotting analysis using anti-FOXO1 antibody (Cat#ABG1684). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-FOXO1 antibody (Cat#ABG1684, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Western blotting analysis using anti-FOXO1 antibody (Cat#ABG1684). FOXO1 expression in wild type (WT) and FOXO1 shRNA knockdown (KD) HeLa cells with 30  $\mu$ g of total cell lysates. GAPDH serves as a loading control. The blot was incubated with anti-FOXO1 antibody (Cat#ABG1684, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Immunocytochemical staining of C2C12 cells with FOXO1 antibody (Cat#ABG1684, 1:1,000). Nuclei were stained blue with DAPI; FOXO1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Very low. Scale bar: 20  $\mu$ m.