

# KD-Validated Anti-Ring-Box 1 Mouse Monoclonal Antibody

*Mouse monoclonal antibody*

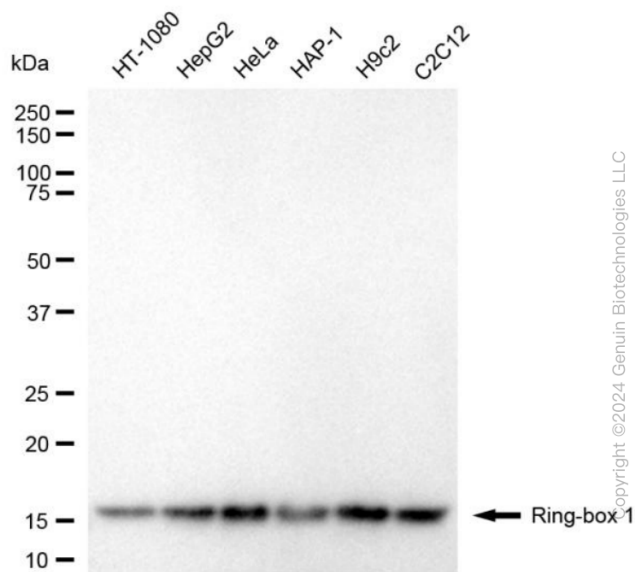
ABG1996

## Product Overview

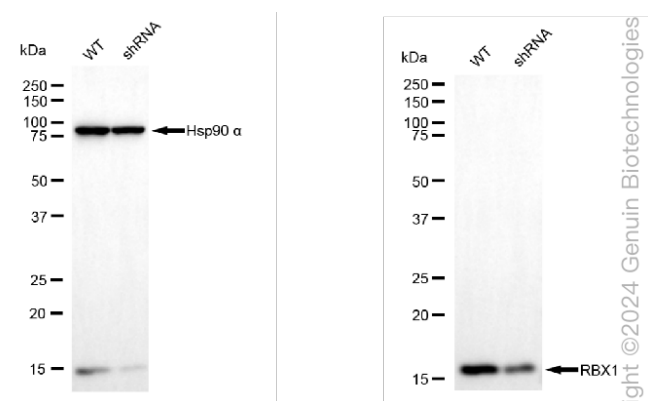
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|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-Ring-Box 1 Mouse Monoclonal Antibody                                                      |
| <b>Accession(Primary)</b>   | P62877                                                                                                      |
| <b>Host Species</b>         | Mouse                                                                                                       |
| <b>Clonality</b>            | Monoclonal                                                                                                  |
| <b>Immunogen</b>            | Recombinant protein of human Rbx1                                                                           |
| <b>Species Reactivity</b>   | Human, Mouse, Rat                                                                                           |
| <b>Calculated MW</b>        | Predicted, 12 kDa, observed, 17 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 Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (P62877)

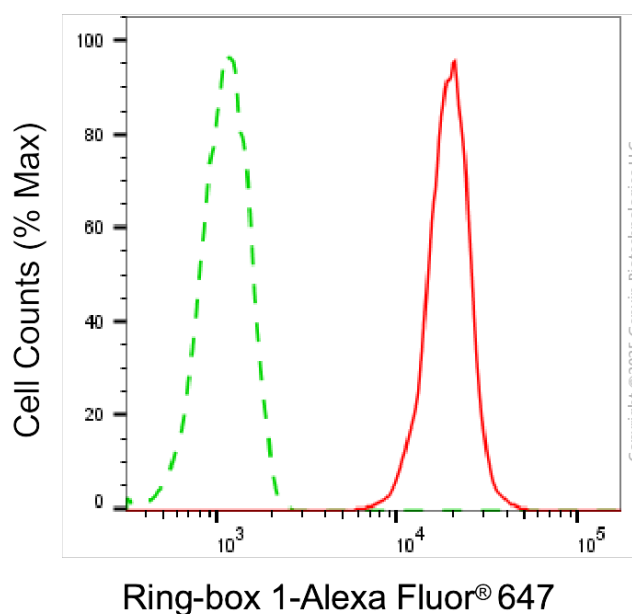
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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | RBX1                                                                                                                                                                                                                                                                         |
| <b>About Gene Symbol</b> | RBX1 (Ring-Box 1) is a ubiquitin E3 ligase involved in ubiquitin-proteasome pathway. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



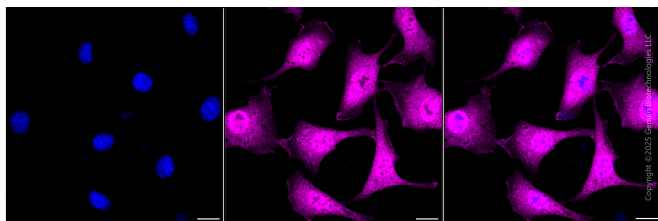
Western blotting analysis using anti-ring-box 1 antibody (Cat#ABG1996). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ring-box 1 antibody (Cat#ABG1996, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-ring-box 1 antibody (Cat#ABG1996). Ring-box 1 expression in wild-type (WT) and ring-box 1 (RBX1) shRNA knockdown (KD) HT-1080 cells with 30  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with anti-ring-box 1 antibody (Cat#ABG1996, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Flow cytometric analysis of Ring-box 1 expression in C2C12 cells using anti-Ring-box 1 antibody (Cat#ABG1996, 1:2,000). Green, isotype control; red, Ring-box 1.



Immunocytochemical staining of C2C12 cells with anti-Ring-box 1 antibody (Cat#ABG1996, 1:1,000). Nuclei were stained blue with DAPI; Ring-box 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain:High. Scale bar, 20  $\mu$ m.