

# KD-Validated Anti-SMARCE1 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

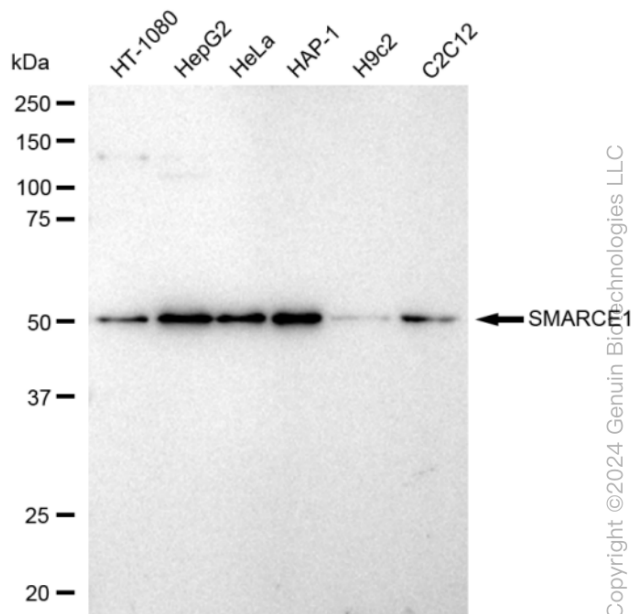
ABG1141

## Product Overview

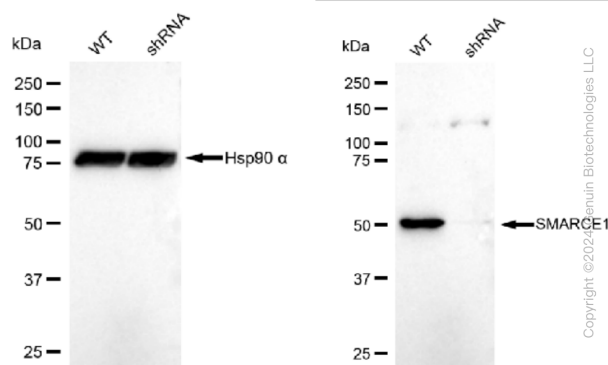
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|-----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-SMARCE1 Rabbit Monoclonal Antibody                                                   |
| <b>Accession(Primary)</b>   | Q969G3                                                                                                 |
| <b>Host Species</b>         | Rabbit                                                                                                 |
| <b>Clonality</b>            | Monoclonal                                                                                             |
| <b>Isotype</b>              | Rabbit IgG                                                                                             |
| <b>Immunogen</b>            | A synthesized peptide derived from human BAF57/SMARCE1                                                 |
| <b>Species Reactivity</b>   | Human, Mouse, Rat                                                                                      |
| <b>Calculated MW</b>        | Predicted, 47 kDa, observed, 57 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): 1:2,000 Immunocytochemistry (IC): 1:1,000 |

## Target information (Q969G3)

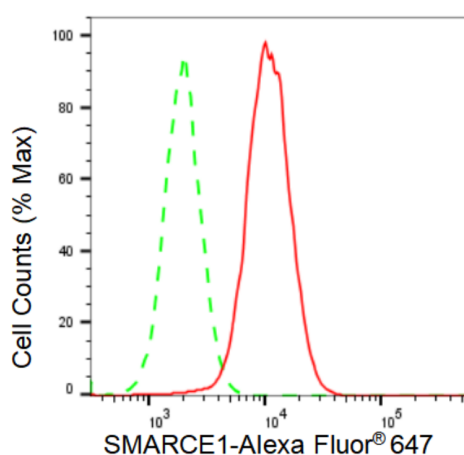
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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | SMARCE1                                                                                                                                                                                                                                                                                                              |
| <b>About Gene Symbol</b> | SMARCE1 (BRG1-Associated Factor 57) is a structural cytoskeletal protein involved in chromatin remodeling and epigenetics. It is an important research target in cell biology, cancer metastasis, and cytoskeletal research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



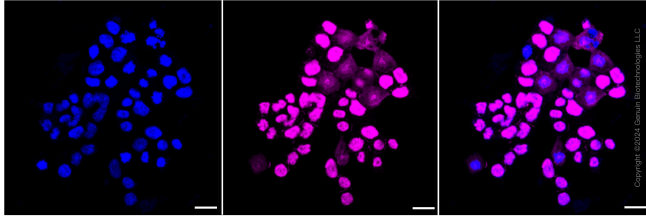
Western blotting analysis using anti-SMARCE1 antibody (Cat#ABG1141). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SMARCE1 antibody (Cat#ABG1141, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-SMARCE1 antibody (Cat#ABG1141). SMARCE1 expression in wild type (WT) and SMARCE1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-SMARCE1 antibody (Cat#ABG1141, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of SMARCE1 expression in HAP-1 cells using SMARCE1 antibody (Cat#ABG1141, 1:2,000). Green, isotype control; red, SMARCE1.



Immunocytochemical staining of HAP-1 cells with SMARCE1 antibody (Cat#ABG1141, 1:1,000).

Nuclei were stained blue with DAPI; SMARCE1 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.