

# KD-Validated Anti-SMARCC1 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

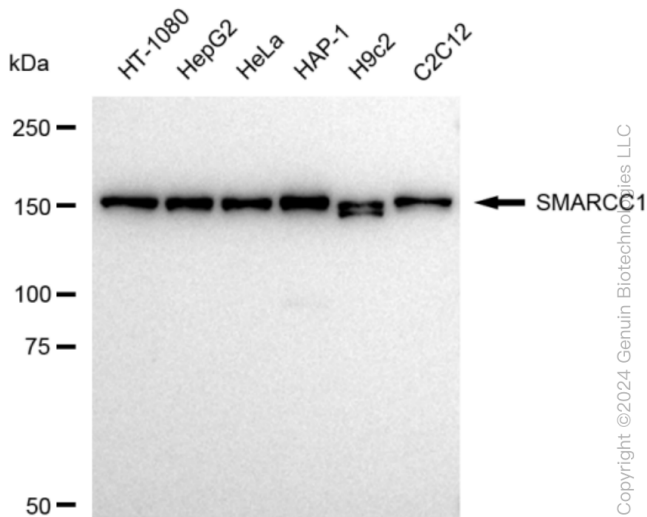
ABG1404

## Product Overview

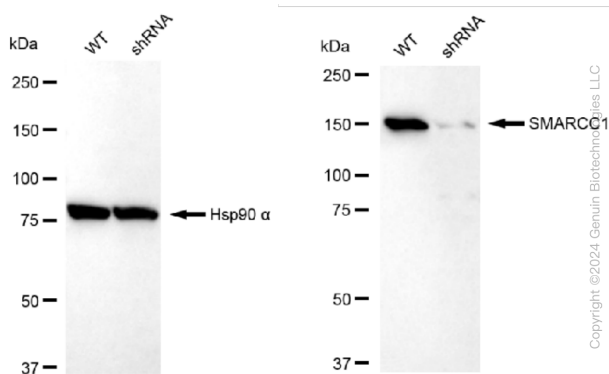
|                             |                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-SMARCC1 Rabbit Monoclonal Antibody                                                   |
| <b>Accession(Primary)</b>   | Q92922                                                                                                 |
| <b>Host Species</b>         | Rabbit                                                                                                 |
| <b>Clonality</b>            | Monoclonal                                                                                             |
| <b>Isotype</b>              | Rabbit IgG                                                                                             |
| <b>Immunogen</b>            | A synthesized peptide derived from human SMARCC1/BAF155                                                |
| <b>Species Reactivity</b>   | Human, Mouse, Rat                                                                                      |
| <b>Calculated MW</b>        | Predicted, 123 kDa , Observed, 155 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 (Q92922)

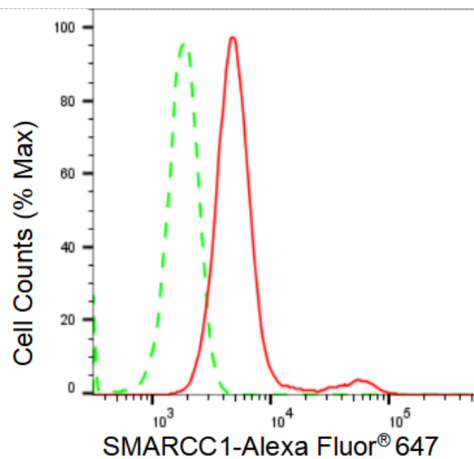
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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | SMARCC1                                                                                                                                                                                                                                                              |
| <b>About Gene Symbol</b> | SMARCC1 (SWI/SNF Complex Subunit SMARCC1) 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 |



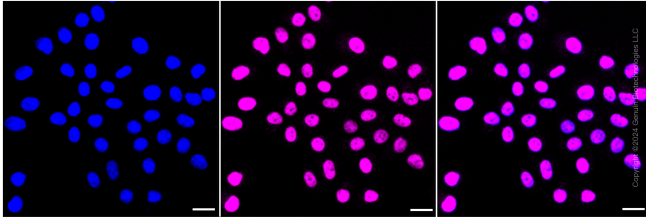
Western blotting analysis using anti-SMARCC1 antibody (Cat#ABG1404). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SMARCC1 antibody (Cat#ABG1404, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-SMARCC1 antibody (Cat#ABG1404). SMARCC1 expression in wild type (WT) and SMARCC1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-SMARCC1 antibody (Cat#ABG1404, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of SMARCC1 expression in HepG2 cells using SMARCC1 antibody (Cat#ABG1404, 1:2,000). Green, isotype control; red, SMARCC1.



Immunocytochemical staining of HepG2 cells with SMARCC1 antibody (Cat#ABG1404, 1:1,000).

Nuclei were stained blue with DAPI; SMARCC1 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.