

# BAF57/SMARCE1 Rabbit mAb

Catalog NO.: A3814 **Recombinant**

## Basic Information

### Observed MW

55kDa/

### Calculated MW

47kDa

### Category

Monoclonal Antibodies

### Applications

WB, IF/ICC, IP, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### Conjugation

Unconjugated

### Clone number

ARC0839

## Background

The protein encoded by this gene is part of the large ATP-dependent chromatin remodeling complex SWI/SNF, which is required for transcriptional activation of genes normally repressed by chromatin. The encoded protein, either alone or when in the SWI/SNF complex, can bind to 4-way junction DNA, which is thought to mimic the topology of DNA as it enters or exits the nucleosome. The protein contains a DNA-binding HMG domain, but disruption of this domain does not abolish the DNA-binding or nucleosome-displacement activities of the SWI/SNF complex. Unlike most of the SWI/SNF complex proteins, this protein has no yeast counterpart.

## Recommended Dilutions

**WB** 1:1000 - 1:4000

**IF/ICC** 1:50 - 1:200

### IP

0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

### ELISA

Recommended starting concentration is 1 µg/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

6605

### Swiss Prot

Q969G3

### Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

### Synonyms

CSS5; BAF57; BAF57/SMARCE1

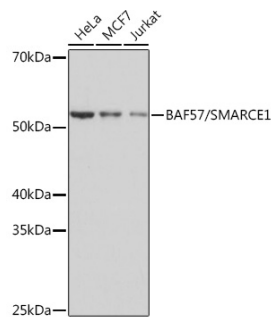
## Contact

## Product Information

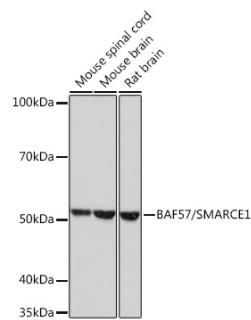
|                                     |  |                      |
|-------------------------------------|--|----------------------|
| <input checked="" type="checkbox"/> |  | order@abclonal.com   |
| <input checked="" type="checkbox"/> |  | service@abclonal.com |
| <input checked="" type="checkbox"/> |  | www.abclonal.com     |

|                                                                                                                                                     |                |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <b>Source</b>                                                                                                                                       | <b>Isotype</b> | <b>Purification</b>   |
| Rabbit                                                                                                                                              | IgG            | Affinity purification |
| <b>Storage</b>                                                                                                                                      |                |                       |
| Store at -20°C. Avoid freeze / thaw cycles.                                                                                                         |                |                       |
| Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. |                |                       |

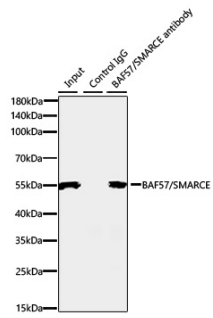
Validation Data



Western blot analysis of various lysates using BAF57/SMARCE1 Rabbit mAb (A3814) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



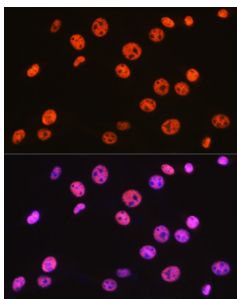
Western blot analysis of various lysates using BAF57/SMARCE1 Rabbit mAb (A3814) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



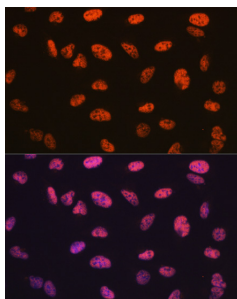
Immunoprecipitation of BAF57/SMARCE1 from 300  $\mu$ g extracts of HCT116 cells was performed using 1  $\mu$ g of BAF57/SMARCE1 Rabbit mAb (A3814). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using BAF57/SMARCE1 Rabbit mAb (A3814) at a dilution of 1:1000.

## Validation Data

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Immunofluorescence analysis of NIH-3T3 cells using BAF57/SMARCE1 Rabbit mAb (A3814) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using BAF57/SMARCE1 Rabbit mAb (A3814) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.





