

# [KO Validated] BAF57/SMARCE1 Rabbit pAb

Catalog No.: A13353 **KO** **Validated** **2 Publications**

## Basic Information

### Observed MW

50kDa

### Calculated MW

47kDa

### Category

Primary antibody

### Applications

WB, IF/ICC, IP, ELISA

### Cross-Reactivity

Human, Mouse, Rat

## 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** 1:500 - 1:1000**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; E1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

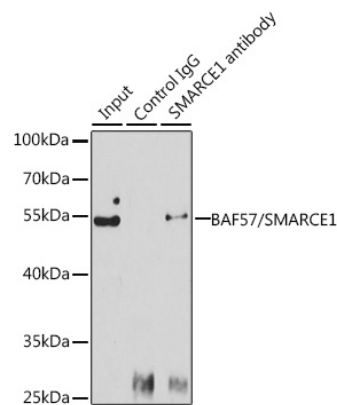
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

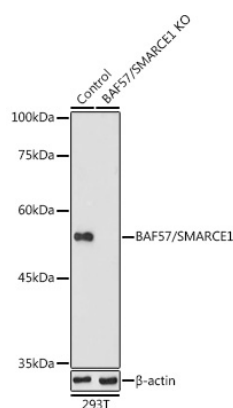
## Contact

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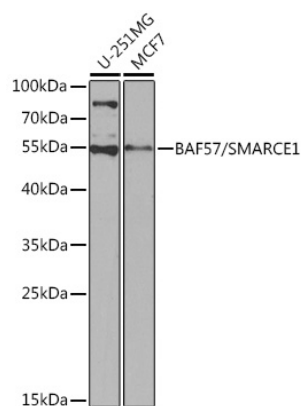
Validation Data



Immunoprecipitation analysis of 150 µg extracts of Jurkat cells using 3 µg BAF57/BAF57/SMARCE1 antibody (A13353). Western blot was performed from the immunoprecipitate using BAF57/BAF57/SMARCE1 antibody (A13353) at a dilution of 1:1000.



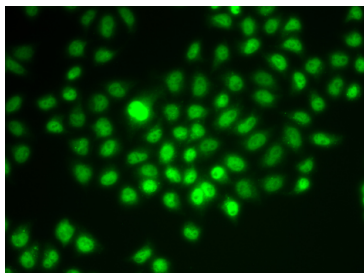
Western blot analysis of lysates from wild type (WT) and BAF57/SMARCE1 knockout (KO) 293T cells, using [KO Validated] BAF57/SMARCE1 Rabbit pAb (A13353) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 180s.



Western blot analysis of various lysates using [KO Validated] BAF57/SMARCE1 Rabbit pAb (A13353) 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: 90s.

## Validation Data

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Immunofluorescence analysis of HeLa cells using [KO Validated] BAF57/SMARCE1 Rabbit pAb (A13353).Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution.