

Datasheet for ABIN7171085

**anti-SMARCE1 antibody (AA 20-243) (FITC)**[Go to Product page](#)

## Overview

|                      |                                             |
|----------------------|---------------------------------------------|
| Quantity:            | 100 µg                                      |
| Target:              | SMARCE1                                     |
| Binding Specificity: | AA 20-243                                   |
| Reactivity:          | Human                                       |
| Host:                | Rabbit                                      |
| Clonality:           | Polyclonal                                  |
| Conjugate:           | This SMARCE1 antibody is conjugated to FITC |
| Application:         | Please inquire                              |

## Product Details

|                   |                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant Human SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1 protein (20-243AA) |
| Isotype:          | IgG                                                                                                                                |
| Cross-Reactivity: | Human                                                                                                                              |
| Purification:     | >95%, Protein G purified                                                                                                           |

## Target Details

|                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| Target:           | SMARCE1                                                                                        |
| Alternative Name: | SMARCE1 ( <a href="#">SMARCE1 Products</a> )                                                   |
| Background:       | Background: Involved in transcriptional activation and repression of select genes by chromatin |

## Target Details

remodeling (alteration of DNA-nucleosome topology). Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth (By similarity). Required for the coactivation of estrogen responsive promoters by Swi/Snf complexes and the SRC/p160 family of histone acetyltransferases (HATs). Also specifically interacts with the CoREST corepressor resulting in repression of neuronal specific gene promoters in non-neuronal cells.

Aliases: BAF57 antibody, BRG1 associated factor 57 antibody, BRG1-associated factor 57 antibody, Chromatin remodeling complex BRG1 associated factor 57 antibody, FLJ35648 antibody, SMARCE 1 antibody, SMARCE1 antibody, SMCE1\_HUMAN antibody, SWI/SNF related matrix associated actin dependent regulator of chromatin e1 antibody, SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily e member 1 antibody, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1 antibody

UniProt: [Q969G3](#)

Pathways: [Chromatin Binding](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

## Handling

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|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Preservative:      | ProClin                                                                                                           |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C,-80 °C                                                                                                     |
| Storage Comment:   | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                     |