

Datasheet for ABIN6981161

**anti-SMARCC1 antibody (AA 301-400) (AbBy Fluor® 680)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | SMARCC1                                                                                                 |
| Binding Specificity: | AA 301-400                                                                                              |
| Reactivity:          | Rat                                                                                                     |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This SMARCC1 antibody is conjugated to AbBy Fluor® 680                                                  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human SMARCC1 |
| Isotype:              | IgG                                                         |
| Cross-Reactivity:     | Rat                                                         |
| Predicted Reactivity: | Human,Mouse,Dog,Cow,Sheep,Horse,Rabbit                      |
| Purification:         | Purified by Protein A.                                      |

## Target Details

|                   |                                              |
|-------------------|----------------------------------------------|
| Target:           | SMARCC1                                      |
| Alternative Name: | SMARCC1 ( <a href="#">SMARCC1 Products</a> ) |

Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: AI115498, BAF 155, BAF155, BRG 1 associated factor 155, BRG1 associated factor 155, BRG1-associated factor 155, Chromatin remodeling complex BAF155 subunit, CRACC 1, CRACC1, Mammalian chromatin remodeling complex BRG 1 associated factor 155, Mammalian chromatin remodeling complex BRG1 associated factor 155, Rsc 8, Rsc8, SMARCC1, SMARCC 1, SMARCC1, SMRC1_HUMAN, SRG 3, SRG3, SWI 3, SWI/SNF complex 155 kDa subunit, SWI/SNF complex subunit SMARCC1, SWI/SNF related matrix associated actin dependent regulator of chromatin c1, SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily c member 1, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily C member 1, SWI3.</p> <p>Background: Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). May stimulate the ATPase activity of the catalytic subunit of the complex. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. 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.</p> |
| Gene ID:    | 601732                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt:    | <a href="#">Q92922</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Pathways:   | <a href="#">Chromatin Binding</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

Application Details

|                    |                    |
|--------------------|--------------------|
| Application Notes: | IF(IHC-P) 1:50-200 |
|                    | IF(IHC-F) 1:50-200 |
|                    | IF(ICC) 1:50-200   |

## Application Details

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Restrictions:      | For Research Use only                                                                                              |
| Handling           |                                                                                                                    |
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| 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                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |