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# Anti-SMARCB1 / INI1 Antibody
**Rabbit Anti Human Polyclonal Antibody**
**Catalog # ALS18169**

## Specification

### Anti-SMARCB1 / INI1 Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC-P, IF, IP** |
| Primary Accession | Q12824 |
| Predicted | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **IgG** |
| Calculated MW | **44141** |

### Anti-SMARCB1 / INI1 Antibody - Additional Information

**Gene ID** 6598

| | |
|---|---|
| Alias Symbol | **SMARCB1** |

**Other Names**
SMARCB1, BRG1-associated factor 47, BAF47, HSNF5, Integrase interactor 1 protein, Kiaa0379, HSNFS, RTPS1, SNF5, Snr1, RDT, Sfh1p, SNF5L1, INI1, MRD15, SNF5 homolog

**Target/Specificity**
Human SMARCB1 / INI1

**Reconstitution & Storage**
Affinity purified

**Precautions**
Anti-SMARCB1 / INI1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Anti-SMARCB1 / INI1 Antibody - Protein Information

**Name** SMARCB1

**Synonyms** BAF47, INI1, SNF5L1

**Function**
Core component of the BAF (hSWI/SNF) complex. This ATP- dependent chromatin-remodeling complex plays important roles in cell proliferation and differentiation, in cellular antiviral activities and inhibition of tumor formation. The BAF complex is able to create a stable, altered form of chromatin that constrains fewer negative supercoils than normal. This change in supercoiling would be due to the conversion of up to one-half of the nucleosomes on polynucleosomal arrays into asymmetric structures, termed altosomes, each composed of 2 histones octamers. Stimulates in vitro the remodeling activity of SMARCA4/BRG1/BAF190A. Involved in activation of CSF1 promoter. 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 postmitotic 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 postmitotic 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). Plays a key role in cell-cycle control and causes cell cycle arrest in G0/G1.

**Cellular Location**
Nucleus.

## Anti-SMARCB1 / INI1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-SMARCB1 / INI1 Antibody - Images