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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