

# Anti-SNF5 SMARCB1 Rabbit Monoclonal Antibody

**Catalog # ABO13312** 

### **Specification**

## **Anti-SNF5 SMARCB1 Rabbit Monoclonal Antibody - Product Information**

Application WB, IP
Primary Accession Q12824
Host Rabbit Isotype Rabbit IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

**Description** 

Anti-SNF5 SMARCB1 Rabbit Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Human, Mouse, Rat.

## Anti-SNF5 SMARCB1 Rabbit Monoclonal Antibody - Additional Information

#### **Gene ID** 6598

#### **Other Names**

SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1, BRG1-associated factor 47, BAF47, Integrase interactor 1 protein, SNF5 homolog, hSNF5, SMARCB1, BAF47, INI1, SNF5L1

Calculated MW 44141 MW KDa

**Application Details** 

WB 1:500-1:2000<br>IP 1:50

**Subcellular Localization** 

Nucleus.

### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### **Immunogen**

A synthesized peptide derived from human SNF5

**Purification** 

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.



## Anti-SNF5 SMARCB1 Rabbit Monoclonal 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-SNF5 SMARCB1 Rabbit Monoclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## Anti-SNF5 SMARCB1 Rabbit Monoclonal Antibody - Images



