

## Anti-SMARCC1/BAF155 Rabbit Monoclonal Antibody

**Catalog # ABO15294** 

## **Specification**

# Anti-SMARCC1/BAF155 Rabbit Monoclonal Antibody - Product Information

Application WB, IF, ICC, IP, FC

Primary Accession

Host
Rabbit
Isotype
IgG

Reactivity
Clonality
Monoclonal
Format
Liquid

**Description** 

Anti-SMARCC1/BAF155 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Rat.

# Anti-SMARCC1/BAF155 Rabbit Monoclonal Antibody - Additional Information

#### **Gene ID** 6599

### **Other Names**

SWI/SNF complex subunit SMARCC1, BRG1-associated factor 155, BAF155, SWI/SNF complex 155 kDa subunit, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily C member 1, SMARCC1 (<a

href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=11104" target=" blank">HGNC:11104</a>), BAF155

### **Application Details**

WB 1:500-1:2000<br>ICC/IF 1:50-1:200<br>IP 1:50<br>FC 1:50

#### **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 SMARCC1/BAF155

# **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-SMARCC1/BAF155 Rabbit Monoclonal Antibody - Protein Information

Name SMARCC1 (HGNC:11104)



## Synonyms BAF155

#### **Function**

Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Component of SWI/SNF chromatin remodeling complexes that carry out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner. May stimulate the ATPase activity of the catalytic subunit of the complex (PubMed: <a href="http://www.uniprot.org/citations/10078207" target="\_blank">10078207</a>, PubMed:<a href="http://www.uniprot.org/citations/29374058" target="\_blank">29374058</a>). 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).

**Cellular Location** Nucleus. Cytoplasm

### **Tissue Location**

Expressed in brain, heart, muscle, placenta, lung, liver, muscle, kidney and pancreas

### Anti-SMARCC1/BAF155 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
- Immunoprecipitation
- Flow Cvtometv
- Cell Culture

# Anti-SMARCC1/BAF155 Rabbit Monoclonal Antibody - Images



