

## Recombinant SMARCC2/BAF170 Monoclonal Antibody

catalog number: **AN302065L**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

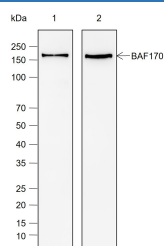
|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Mouse                                                     |
| <b>Immunogen</b>    | Peptide. This information is proprietary to PTMap.              |
| <b>Host</b>         | Rabbit                                                          |
| <b>Isotype</b>      | IgG, $\kappa$                                                   |
| <b>Clone</b>        | C221686                                                         |
| <b>Purification</b> | Protein A purified                                              |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications

### Recommended Dilution

|            |               |
|------------|---------------|
| <b>WB</b>  | 1:1000-1:2000 |
| <b>IHC</b> | 1:500-1:1000  |
| <b>FCM</b> | 1:100         |
| <b>IP</b>  | 1:50-1:100    |

### Data

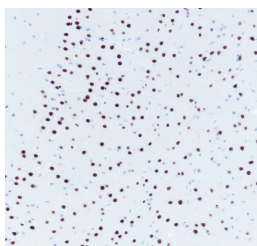


Western Blot with SMARCC2/BAF170 Monoclonal Antibody at dilution of 1:2000. Lane 1: PANC-1, Lane 2:

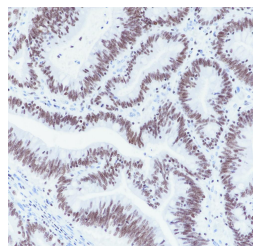
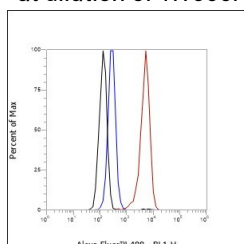
HeLa

**Observed-MW:170 kDa**

**Calculated-MW:133 kDa**



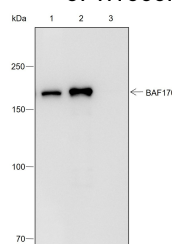
Immunohistochemistry of paraffin-embedded Mouse cerebrum using SMARCC2/BAF170 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human colon cancer using SMARCC2/BAF170 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse colon using SMARCC2/BAF170 Monoclonal Antibody at dilution of 1:1000.



### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.2

Flow cytometric analysis of human SMARCC2/BAF170 expression on A549 cells. Cells were stained with purified anti-Human SMARCC2/BAF170, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Immunoprecipitation analysis using anti-SMARCC2/BAF170 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using SMARCC2/BAF170 Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2: SMARCC2/BAF170 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG

Isotype

**Observed-MW:170 kDa**

**Calculated-MW:133 kDa**

### Preparation & Storage

#### Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

#### Shipping

Ice bag

### Background

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. BAF170 is one of the core subunits of the SWI/SNF complex, which is necessary for efficient nucleosome remodeling by Brg1 in vitro. While BAF170 has been shown to be part of the SWI/SNF complex in non-pluripotent cells, it is absent in pluripotent embryonic stem (ES) cells. Research studies have shown that expression of BAF170 is upregulated in neurons/neuronal progenitors upon differentiation of mouse ES cells with retinoic acid, and exogenous expression of BAF170 leads to loss of stem cell pluripotency and self renewal.

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