

# SMARCB1 Monoclonal antibody

Catalog Number: 67979-1-Ig

## Basic Information

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| <b>Catalog Number:</b><br>67979-1-Ig                           | <b>GenBank Accession Number:</b><br>NM_003073  | <b>Purification Method:</b><br>Protein G purification                  |
| <b>Size:</b><br>150ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>6598  | <b>CloneNo.:</b><br>1D10A4   |
| <b>Source:</b><br>Mouse  | <b>UNIPROT ID:</b><br>Q12824   | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:500-1:2000 |
| <b>Isotype:</b><br>IgG1  | <b>Full Name:</b><br>SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1 |  |
| <b>Immunogen Catalog Number:</b><br>AG28911                    | <b>Calculated MW:</b><br>44 kDa  |  |
|  | <b>Observed MW:</b><br>40-45 kDa   |  |

## Applications

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| <b>Tested Applications:</b><br>WB, IHC, ELISA   | <b>Positive Controls:</b>  |
| <b>Species Specificity:</b><br>human, mouse, rat  | <b>WB :</b> NCCIT cells, LNcap cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells |
| <b>Note-IHC:</b> <i>suggested antigen retrieval with <b>TE buffer pH 9.0</b>; (*) Alternatively, antigen retrieval may be performed with <b>citrate buffer pH 6.0</b></i> | <b>IHC :</b> mouse stomach tissue,   |

## Background Information

SMARCB1 is part of a complex that relieves repressive chromatin structures, allowing the transcriptional machinery to access its targets more effectively. The encoded nuclear protein may also bind to and enhance the DNA joining activity of HIV-1 integrase. This gene has been found to be a tumor suppressor and mutations in it have been associated with malignant rhabdoid tumors. Two transcript variants encoding different isoforms have been found for this gene.

## Storage

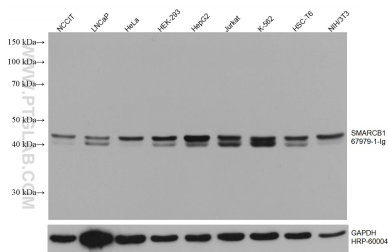
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1%BSA**

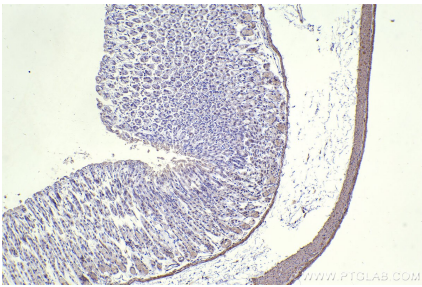
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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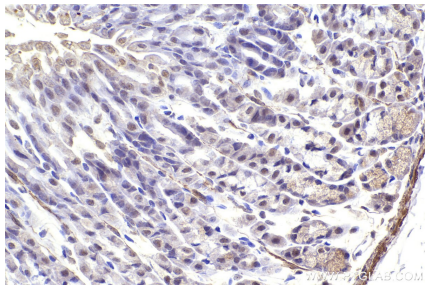
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67979-1-Ig (SMARCB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 67979-1-Ig (SMARCB1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 67979-1-Ig (SMARCB1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).