

For Research Use Only

# SMARCA2-Specific Polyclonal antibody

Catalog Number: 26613-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

26613-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 393 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG25157

### GenBank Accession Number:

NM\_003070

### GeneID (NCBI):

6595

### UNIPROT ID:

P51531

### Full Name:

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2

### Calculated MW:

181 kDa

### Observed MW:

180-190 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, ColP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: HeLa cells, NIH/3T3 cells, MDA-MB-453s cells

IHC: human ovary tumor tissue,

IF/ICC: HeLa cells, HepG2 cells

## Background Information

SMARCA2 is a transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. SMARCA2 is involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene.

## Notable Publications

Author	Pubmed ID	Journal	Application
Debolina Ganguly	30171737	Stem Cells	WB
Zhixiong Liu	30876848	Neuron	WB
Xiaoli Xu	30127991	Oncol Lett	WB

## 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

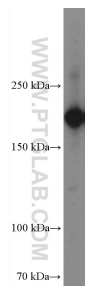
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

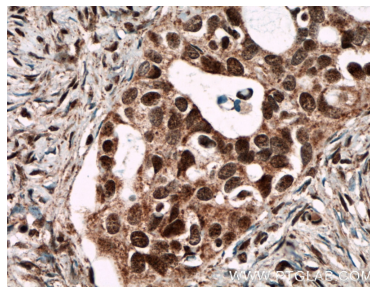
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

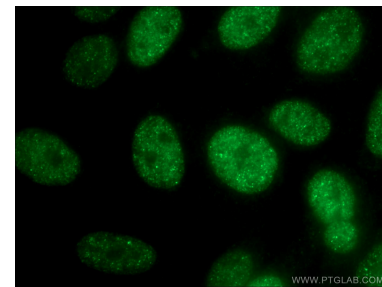
## Selected Validation Data



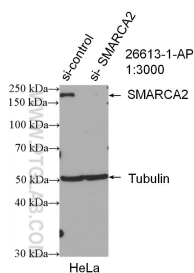
HeLa cells were subjected to SDS PAGE followed by western blot with 26613-1-AP (SMARCA2-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



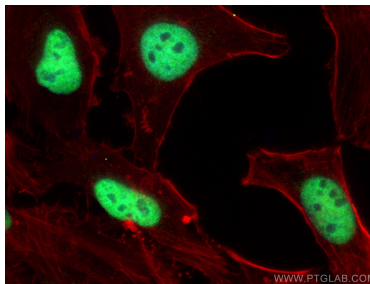
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 26613-1-AP (SMARCA2-Specific antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 26613-1-AP (SMARCA2-Specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of SMARCA2-Specific antibody (26613-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMARCA2-Specific transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SMARCA2-Specific antibody (26613-1-AP) at dilution of 1:200 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).