

For Research Use Only

SMARCA2-Specific Polyclonal antibody



Catalog Number: 26613-1-AP

Featured Product

4 Publications

Basic Information

Catalog Number:

26613-1-AP

Size:

700 µg/ml

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 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB

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: 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

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

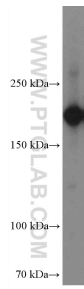
T: 4006900926

E: Proteintech-CN@ptglab.com

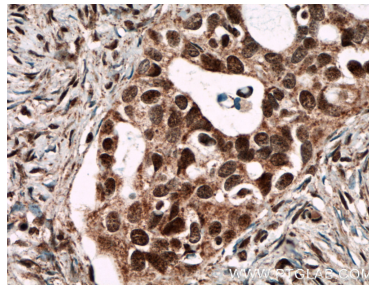
W: ptgcn.com

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

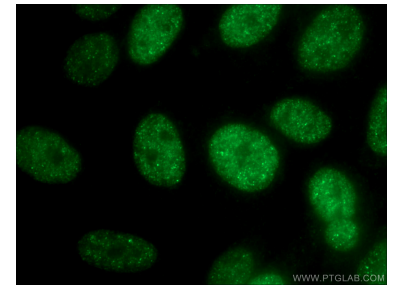
Selected Validation Data



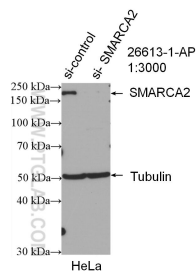
HeLa cells were subjected to SDS PAGE followed by western blot with 26613-1-AP (SMARCA2-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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.