

For Research Use Only

# SMARCA5 Polyclonal antibody

Catalog Number: 13066-1-AP

Featured Product

4 Publications



## Basic Information

**Catalog Number:**

13066-1-AP

**Size:**

200 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3759

**GenBank Accession Number:**

BC023144

**GeneID (NCBI):**

8467

**UNIPROT ID:**

O60264

**Full Name:**

SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5

**Calculated MW:**

1052 aa, 122 kDa

**Observed MW:**

122 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:5000-1:50000

IF 1:500-1:2000

## Applications

**Tested Applications:**

IF/ICC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human

**Cited Species:**

human, mouse

**Positive Controls:**

WB : HepG2 cells,

IF : HeLa cells,

## Background Information

SMARCA5, also named as SNF2H or WCRF135, is a 1052 amino acid protein, which localizes in nucleus and is overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. SMARCA5 is one of the most conserved chromatin remodeling factors. It exists in a variety of oligosubunit complexes that move DNA with respect to the histone octamer to generate regularly spaced nucleosomal arrays. Smarca5 interacts with different accessory proteins and represents a molecular motor for DNA replication, repair, and transcription.

## Notable Publications

Author	Pubmed ID	Journal	Application
Haiyan An	31636118	J Cell Biol	WB
Zhe Chen	33755722	J Exp Med	WB
Kenneth Stapleton	32078363	Arterioscler Thromb Vasc Biol	

## 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:

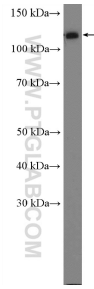
T: 4006900926

E: Proteintech-CN@ptglab.com

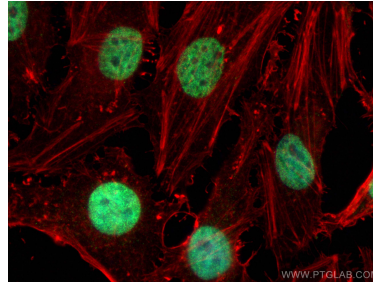
W: ptgcn.com

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## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 13066-1-AP (SMARCA5 Antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SMARCA5 antibody (13066-1-AP) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).