

For Research Use Only

SMARCA5 Polyclonal antibody

Catalog Number: 13066-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

13066-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;

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 1:500-1:2000

IHC 1:500-1:2000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: HeLa cells,

IHC: human stomach tissue,

IF/ICC: HeLa cells,

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

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

*** 20ul sizes contain 0.1% BSA

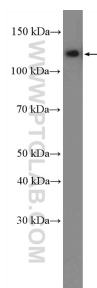
For technical support and original validation data for this product please contact:

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

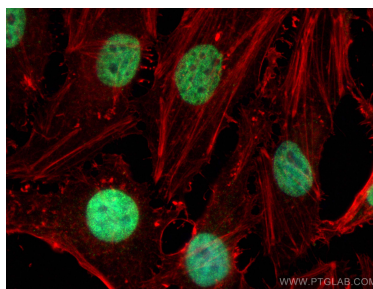
E: proteintech@ptglab.com
W: ptglab.com

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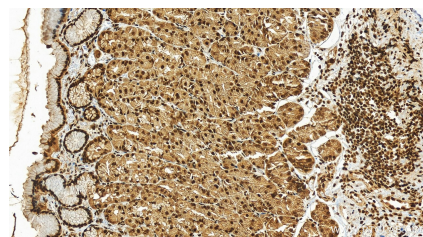
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 13066-1-AP (SMARCA5 Antibody) at dilution of 1:1000 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).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13066-1-AP (SMARCA5 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).